CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Roads, Detroit, Mich. Wayne Co. making preliminary plans paving, $7,000,000.

Garage and office, San Francisco, Calif., F. C. Morgan having plans prepared, $4,750,000.

Oil refinery, San Antonio, Tex., Humble Oil and Refining Co. plans, $3,000,000.

Highway, Plainview, Tex., Hall Co. making plans, $2,405,000.

Apartment Hotel, Minneapolis, Minn., Anderson-Nelson Constr. Co. having plans prepared, $2,100,000.

Auto factory, Pontiac, Mich., Oakland Motor Car Co., having plans prepared, $2,000,000.

Bridge, Kansas City, Mo., Kansas City, St. Louis and San Francisco Ry. Co., Kansas City Southern Ry. Co. and Missouri Pacific Ry. Co. plan viaduct, $1,900,000.

Bank and office, Vancouver, B. C., Royal Bank of Canada plans, $1,500,000-$2,000,000.

Boulevard, Los Angeles, Calif., City and Los Angeles Co., plan, $1,564,191.

Highway, Centerville, Tex., Leon Co., making plans, $1,514,317.

Amusement resort, Matamoros, Mexico, R. J. Allison and G. Olivares, plan resort, $1,500,000.

Office, Phila., Pa., Maxwell Building Corp., having plans prepared, $1,500,000.

Schools, Port Arthur, Tex., voted bonds, $1,500,000.

Apartment, Chicago, Ill., C. E. Howland having preliminary sketches made, $1,300,000.

Auditorium, Pasadena, Calif., City plans, $1,000,000.

Apartment, Chicago, Ill., Quinn & Christensen, archts. soon take bids, $1,000,000.

Sewer, Decatur, Ill., making plans, $1,000,000.

Bids Desired

Bridge, Pittsburgh, Pa., Oct. 26, by Comrs. Allegheny Co., Dept. Pub. Wks., $1,700,000.

Y.W.C.A. Building, Chicago, Ill., Oct. 21, by Berlin & Sewern, archts., $1,000,000.

Museum, Los Angeles, Calif., Oct. 31, by Supervs. Los Angeles Co., Unit 2, Museum of History, Art, and Science, to exceed $1,000,000. Contracts for foundations to Clinton Constr. Co., excavating to C. G. Willis & Son, and structural steel to McClintic-Marshall Co.

Contracts Awarded

Bridge, New York and New Jersey, Port of New York Authority wire cable to John A. Roebling Sons' Co., Trenton, N. J., $12,339,977; steel towers and floors to McClintic-Marshall Co., Pittsburgh, Pa., $10,134,440.

Hotel, Toronto, Canada, Canadian Pacific Ry. general contract to Anglin Norcross Ltd., wrecking existing structures to Frankel Bros., excavation to Dufferin Constr. Co. Total est. $10,000,000.

Sewers, Decatur, Ill., Sanitary District of Chicago Contract 1, to Paschen Bros., $3,333,444.

Sewers, St. Louis, Mo., Bd. Pub. Serv. to A. Guthrie & Co., Inc., St. Paul, Minn., $2,296,057.

Can factory, Jersey City, N. J., American Can Co., New York City, will build by day labor, $2,000,000.

Church and hotel, San Francisco, Calif., Methodist Book Concern to Cahill Bros., $2,000,000.

Public safety building, Milwaukee, Wis., Dept. Pub. Wks., excavation, foundation, etc. to Bentley Bros. $644,630; roof, stone, steel etc. to Uihlein & Ortmann, Elect. Co., Andres Stone & Marble Co., Sissel Co., Wensel & Henoch, Zuchike-Stoehn Heating Co. Grand total $1,223,251.

Dredging, Los Angeles, Calif., U. S. Engineer Office to San Francisco Bridge Co., San Francisco, $1,133,000.

Office, Birmingham, Ala., Warren, Knight and Davis, archts., to C. M. Allen & Son, $1,000,000.

Sugar Refinery, North Kansas City, Mo., Corn Products Refining Co., Kansas City, to Bedford Constr. Co., Chicago, Ill. Archts. est. $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Oct. 21	Phoenicia, N. Y.	Oct. 20
	Adv. Oct. 13 and 20.	
Oct. 25	St. Louis, Mo.	Sept. 29
Oct. 25	St. George, N. Y.	Oct. 20
Oct. 25	Long Island City, N. Y.	Oct. 20
Oct. 26	Parkersburg, W. Va.	Oct. 6
Oct. 26	Parkersburg, W. Va.	Oct. 13
Oct. 26	Denville, N. J.	Oct. 13
	Adv. Oct. 6 to 20.	
Oct. 26	Huron, S. D.	Oct. 20
Oct. 27	Sacramento, Calif.	Oct. 20
Oct. 28	Brooklyn, N. Y.	Oct. 20
Oct. 31	Skillman, N. J.	Oct. 13
Oct. 31	Vancouver, B. C.	Oct. 20
Nov. 1	St. Louis, Mo.	Oct. 13
Nov. 1	Orange, Calif.	Oct. 20
Nov. 2	Wingdale, N. Y.	Oct. 20
	Adv. Oct. 20.	
Nov. 4	Wewoka, Ia.	Oct. 20
Nov. 14	Ashland, Ky.	Oct. 13
	Adv. Oct. 13 and 20.	
Nov. 18	Boston, Mass.	Oct. 20
	Adv. Oct. 13 and 20.	
Dec. 2	New Orleans, La.	Oct. 20
	Adv. Oct. 13 and 20.	

Sewers

Oct. 21	Harrisburg, Pa.	Oct. 20
Oct. 21	Boston, Mass.	Oct. 20
Oct. 21	Corning, Ark.	Oct. 20
Oct. 24	Mamaroneck, N. Y.	Oct. 6
	Adv. Oct. 6 to 20.	
Oct. 24	Dayton, O.	Oct. 20
Oct. 24	Albany, N. Y.	Oct. 20
Oct. 25	Chicago, Ill.	Oct. 20
Oct. 26	Phila., Pa.	Oct. 20
Oct. 26	Brooklyn, N. Y.	Oct. 20
Oct. 26	Long Island City, N. Y.	Oct. 20
Oct. 27	Boston, Mass.	Oct. 20
Oct. 27	Rush Springs, Okla.	Oct. 20
Oct. 31	Dayton, O.	Sept. 29
Oct. 31	Freeport, N. Y.	Oct. 20
	Adv. Oct. 20.	
Nov. 1	Birmingham, Ala.	Oct. 6
Nov. 3	Northampton, Pa.	Oct. 20
	Adv. Oct. 13 and 20.	

Bids close		*See Eng. News-Record*
Nov. 4	Wewoka, Ia.	Oct. 20
Nov. 10	Akron, O.	Oct. 20
	Adv. Oct. 13 and 20.	
Nov. 15	Delphos, O.	Sept. 15
Nov. 17	Louisville, Ky.	Oct. 20
	Adv. Oct. 13 and 20.	
Nov. 20	Canton, O.	Sept. 8

Waste Disposal

Nov. 10	Richmond, Va.	Oct. 6

Bridges

Oct. 24	Oklahoma	Oct. 13
Oct. 24	Oklahoma City, Okla.	Oct. 20
Oct. 26	Pittsburgh, Pa.	Oct. 13
Oct. 26	Lisco, Neb.	Oct. 20
Oct. 26	Illinois	Oct. 20
Oct. 26	Pittsburgh, Pa.	Oct. 20
Oct. 27	Michigan	Oct. 13
Oct. 27	New Brunswick, N. J.	Oct. 13
Oct. 28	Ocean City, N. J.	Oct. 13
Oct. 28	Ohio	Oct. 20
Oct. 31	Buffalo, N. Y.	Sept. 29
Oct. 31	California	Oct. 20
Nov. 3	Chicago, Ill.	Sept. 29
	Adv. Oct. 13 and 20.	
Nov. 3	New Orleans, La.	Oct. 20
	Adv. Oct. 13 and 20.	
Nov. 4	New York and Pennsylvania	Oct. 20
	Adv. Oct. 20.	
Nov. 7	Virginia	Oct. 20
Nov. 15	Anderson, Ind.	Oct. 20
Nov. 15	Coushatta, La.	Oct. 20

Dams

Oct. 31	Los Angeles, Calif.	Oct. 13

Railways

Feb. 21	New Zealand	Oct. 20
	Adv. Oct. 20.	

Excavation, Drainage, Irrigation, Levees, River and Harbor

Bids close		*See Eng. News-Record*
Oct. 24	Huntington, Tenn.	Oct. 20
Nov. 1	Richvale, Calif.	Oct. 20
Nov. 1	Sanford, Fla.	Oct. 13
Nov. 2	Illinois	Oct. 13
	Adv. Oct. 6 to 20.	
Nov. 3	Louisiana	Oct. 6
Nov. 4	Piper City, Ill.	Oct. 20
Nov. 4	Jamaica, Ill.	Oct. 20
Nov. 4	Illinois	Oct. 20

Streets and Roads

Oct. 24	Michigan	Sept. 29
Oct. 24	Michigan	Oct. 13
Oct. 24	Inverness, Fla.	Oct. 20
Oct. 24	Long Island City, N. Y.	Oct. 20
Oct. 24	Phila., Pa.	Oct. 20
Oct. 24	El Reno, Okla.	Oct. 20
Oct. 24	Albany, N. Y.	Oct. 20
Oct. 25	Frederick, Okla.	Oct. 20
Oct. 25	South Carolina	Oct. 13
Oct. 25	Washington	Oct. 6
Oct. 25	Hutchinson, Kan.	Oct. 6
Oct. 25	Maryland	Oct. 20
Oct. 25	Hollywood, Fla.	Oct. 20
Oct. 25	Buffalo, N. Y.	Oct. 20
Oct. 25	Boston, Mass.	Oct. 20
Oct. 26	San Benito, Tex.	Oct. 13
Oct. 26	Pittsburgh, Pa.	Oct. 13
Oct. 26	Nevada	Oct. 20
Oct. 26	Brooklyn, N. Y.	Oct. 20
Oct. 26	Illinois	Oct. 20
Oct. 28	Nebraska	Oct. 13
Oct. 28	Kentucky	Oct. 6
Oct. 28	Eagles Mere, Pa.	Oct. 20
Oct. 28	Nebraska	Oct. 20
Oct. 28	Ohio	Oct. 20
Oct. 31	Galveston, Tex.	Oct. 20
Nov. 1	Ventura, Calif.	Oct. 20
Nov. 1	Birmingham, Ala.	Oct. 6
Nov. 1	Birmingham, Ala.	Oct. 13
Nov. 1	Washington	Oct. 20
Nov. 2	New Orleans, La.	Oct. 13
Nov. 2	Michigan	Oct. 20

See proposal advertising on page 124

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Bids close		See Eng. News-Record
Nov. 2	Baton Rouge, La.	Oct. 20
Nov. 3	New Orleans, La.	Oct. 13
Nov. 3	Michigan	Oct. 20
Nov. 8	Washington	Oct. 20
Nov. 9	Paris, Ark.	Oct. 6
Nov. 10	Birmingham, Ala.	Oct. 20
Nov. 10	Lawrence, N. Y. Adv. Oct. 20.	Oct. 20

Buildings—Commercial

Oct. 21	Paterson, N. J.	Oct. 20
Oct. 22	New Haven, Conn.	Oct. 20
Oct. 24	Tulsa, Okla.	Oct. 13
Oct. 24	Brookline (br. Boston), Mass.	Oct. 20
Oct. 25	Muskogee, Okla.	Oct. 13
Oct. 25	Rockville Center, N. Y.	Oct. 13
Oct. 25	Elizabethtown, Pa.	Oct. 20
Oct. 26	Binghamton, N. Y.	Oct. 13
Oct. 26	Baltimore, Md.	Oct. 20
Oct. 26	West New Brighton, N. Y.	Oct. 20
Oct. 28	Seattle, Wash.	Oct. 13
Oct. 30	Brooklyn, N. Y.	Oct. 20
Oct. 31	Vancouver, B. C.	Oct. 6
Nov. 1	Cincinnati, O.	Oct. 20

Buildings Industrial

Oct. 24	Dayton, O.	Oct. 20
Oct. 28	New York, N. Y.	Oct. 20

Buildings—Educational, Religious

Oct. 22	Fall River, Mass.	Oct. 20
Oct. 25	New York, N. Y.	Oct. 13
Oct. 25	Storrs, Conn.	Oct. 13
Oct. 25	Indianapolis, Ind.	Oct. 20
Oct. 26	Los Angeles, Calif.	Oct. 20
Oct. 26	Warwick, R. I.	Oct. 20
Oct. 27	South Norfolk (mail Norfolk), Va.	Oct. 20
Oct. 28	Danville, Ind.	Oct. 20
Oct. 28	Indianapolis, Ind.	Oct. 20
Oct. 31	Los Angeles, Calif.	Oct. 20
Nov. 1	Wash., D. C.	Oct. 20
Nov. 1	Baltimore, Md.	Oct. 20
Nov. 7	Columbus, O.	Oct. 20
Nov. 7	Brooklyn, N. Y.	Oct. 20
Nov. 9	Shreveport, La.	Oct. 20
Nov. 15	Seattle, Wash.	Oct. 20
Dec. 1	Mt. Clemens, Mich.	Oct. 20

Federal Government Work

Oct. 21	Elevator—Portsmouth, N. H.	Oct. 6
Oct. 21	Dredging—Pennsylvania	Sept. 29

Bids close		See Eng. News-Record
Oct. 22	Barracks—Ft. Sam Houston (sta. San Antonio), Tex. Adv. Sept. 29 to Oct. 20.	Sept. 29
Oct. 24	Mezzanine Floor—El Paso, Tex.	Oct. 13
Oct. 25	Changes—Phila., Pa.	Oct. 13
Oct. 25	Refrigerating Plant—Memphis, Tenn.	Oct. 13
Oct. 25	Earthwork, etc.—Salt Lake City, Utah	Sept. 22
Oct. 26	Pontoons—Cincinnati, O. Adv. Oct. 6 to 20.	Oct. 13
Oct. 26	Motor Generator Sets—Puget Sound, Wash.	Oct. 13
Oct. 26	Remodeling—Portsmouth, N. H.	Oct. 13
Oct. 26	Road—Colorado	Oct. 13
Oct. 26	Standpipe—Dover, N. J. Adv. Oct. 13 and 20.	Oct. 20
Oct. 26	Motor Generator Sets—New York, N. Y. Adv. Oct. 13 and 20.	Oct. 20
Oct. 26	Dredging—Annapolis, Md.	Oct. 20
Oct. 26	Flooring—Norfolk, Va.	Oct. 20
Oct. 26	Metal Work—Brooklyn, N. Y.	Oct. 20
Oct. 26	Wharf—Iona Island, N. Y.	Oct. 20
Oct. 27	Lift—Terre Haute, Ind.	Oct. 13
Oct. 31	Dredging—New York Adv. Oct. 20.	Oct. 20
Nov. 2	Power System, etc.—Governors Island, N. Y.	Oct. 20
Nov. 3	Steam Distribution Lines—Hot Springs, Ark.	Oct. 13
Nov. 3	Barracks—Camp Devens, Mass. Adv. Oct. 20.	Oct. 20
Nov. 7	Superstructure—Wash., D. C. Adv. Oct. 6 to 20.	Oct. 13
Nov. 8	Laundry, etc.—Maywood, Ill.	Oct. 20
Nov. 10	Lodge, Jeffersonville, Ind.	Oct. 20
Nov. 15	Quarters—Montgomery, Ala. Adv. Oct. 20.	Oct. 20
Nov. 16	Quarters—San Juan, Porto Rico Adv. Oct. 20.	Oct. 20
Nov. 21	Garage—New York, N. Y.	Oct. 20
Nov. 22	Dredging—New Haven, Conn. Adv. Oct. 20.	Oct. 20
Nov. 23	Refrigerating Plant—Pearl Harbor, T. H.	Oct. 6

Bids close		See Eng. News-Record
Nov. 23	Generating Plant Equipment—Pearl Harbor, T. H.	Sept. 22
Nov. 23	Barracks, etc.—Pearl Harbor, T. H.	Sept. 22
Mar. 20	Road—California	Oct. 20
Apr. 10	Road—California	Oct. 20
Apr. 10	Roads—Wyoming	Oct. 20
Apr. 10	Road—Colorado	Oct. 20
Apr. 11	Roads—Wyoming	Oct. 20
Apr. 12	Roads—Wyoming	Oct. 20
Apr. 17	Roads—Arizona	Oct. 20
May 2	Road—Oregon	Oct. 20
May 2	Roads—Montana	Oct. 20
May 3	Roads—Washington	Oct. 20
May 4	Roads—Washington	Oct. 20

Unclassified

Oct. 24	Station Finish — New York	Oct. 13
Oct. 25	Heating, etc.—Beacon, N. Y. Adv. Oct. 13 and 20.	Oct. 20
Oct. 25	Subsidiary Pipe—New York, N. Y.	Oct. 20
Oct. 25	Steamship, Phila., Pa.	Oct. 20
Oct. 26	Heating, etc.—Wingdale, N. Y. Adv. Sept. 29 to Oct. 20.	Sept. 29
Oct. 26	Heating, etc.—Creedmoor (mail Floral Park), N. Y. Adv. Sept. 29 to Oct. 20.	Sept. 29
Oct. 27	Station Finish—Phila., Pa.	Oct. 20
Oct. 31	Borings—New Jersey Adv. Oct. 20.	Oct. 20
Oct. 31	Underpass—Louisville, Ky.	Oct. 20
Nov. 1	Culverts—Ventura, Calif.	Oct. 20
Nov. 1	Electric Generator—Comstock, N. Y. Adv. Oct. 13 and 20.	Oct. 20
Nov. 2	Exit Facilities, etc.—Brooklyn, N. Y. Adv. Oct. 13 and 20.	Oct. 20
Nov. 2	Electrical Work, etc.—New York, N. Y. Adv. Oct. 13 and 20.	Oct. 20
Nov. 7	Mechanical Equipment—Brooklyn, N. Y.	Oct. 20

Materials

Oct. 21	Pipe—Muskegon, Mich.	Oct. 13
Oct. 26	Reinforcing Steel and Piling—Leon, Ia.	Oct. 20
Nov. 2	Bridge Lumber—Atlantic, Ia.	Oct. 20

News of the Week

Waterworks

Proposed Work

Va., Broadway—Made preliminary plans waterworks and sewerage systems. Election in January $96,000 bonds for same. Amer. Industrial Eng. Co., 90 West St., New York City, engrs.

Ga., Atlanta—Voted $258,000 bonds, extending Hemphill plant, 30 m.g.p.d. additional capacity, incl. 16 and 36 in. mains, pump house, etc. W. Z. Smith, City Hall, engr.

Tenn., Old Hickory—Dupontania Water Co., E. M. Elliott, pres., 2028 1st Ave., Birmingham, Ala., plans expending $75,000, extending mains to various industrial subdivisions, here.

Tenn., Old Hickory—Old Hickory Water Co., C. M. Harvey pres., plans expending $25,000, extending mains to various subdivisions.

Mich., Pontiac—Making plans extending 6 and 8 in. c.i. mains, etc., in South Park Dist. $18,000. J. R. Pollock, city engr.

Mo., Ironton—City Clerk takes bids about Oct. 28, 100,000 gal. concrete reservoir, 28,-225 ft. 4 to 8 in. c.i. mains, 30 gate valves, deep well pumphouse, plunger type pump, 37 fire hydrants, etc. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs. Noted Sept. 8.

Ark., Hot Springs National Park—See "Sewers."

Tex., Cuero—Making plans waterworks improvements, incl. 8 in. main, distributing system, elevated tank, etc. $32,000 bonds voted for same. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Tex., Pyote—F. T. Pickrell and associates, plan waterworks, incl. probably tank, tower, pumping unit and distributing system. $30,000.

Okla., Hobart—Defeated $17,000 bonds, waterworks. Benham Eng. Co., 521 Gumbel Bldg., Kansas City, Mo., engrs. Noted Aug. 18.

Okla., Tallihina—Making plans new impounding reservoir and 14,000 ft. 8 in. c.i. gravity flow line. $60,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Oct. 6.

Bids Desired

Mass., Boston — Nov. 18, at office Metropolitan Dist. Water Supply Comn., 24 School St., 14 mi. tunnel and appurtenances in towns West Boylston, Holden, Rutland, Oakham and Barre. F. E. Winsor, ch. engr.; adv. E. N.-R. Oct. 20.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Brooklyn — Oct. 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Gerritsen Ave., here.

N. Y., Long Island City—Oct. 25, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 19th, 18th, 48th, 50th, 21st, 32nd, 34th Aves., Smedley, 123rd, 124th, Austin and Gray Sts., etc., here.

N. Y., Phoenicia—Oct. 21, by Phoenicia Water Dist., at office F. D. Lord, secy., 336 tons 4- to 8-in. Class "B" c.i. pipe, etc. J. F. Loughran, Kingston, civil engr.; adv. E. N.-R. Oct. 20.

N. Y., Richmond — Oct. 25, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Arden, Bache, Beach View, Burbank, Central, Churchill, Cuba, Delafield Aves., etc., here.

N. Y., Wingdale—Nov. 2, at Dept. Mental Hygiene, Albany, repairing existing filter plant at Harlem Valley State Hospital, here. L. M. Farrington, secy.; adv. E. N.-R. Oct. 20.

La., New Orleans — Dec. 2 (extended date), by Sewerage & Water Bd., 526 Carondelet St., constructing waterworks, sewerage and drainage during 1928. Work to be done on percentage basis. G. G. Earle, genl. supt.; adv. E. N.-R. Oct. 13 and 20. Noted Oct. 6.

S. D., Huron—Oct. 26, by M. F. Walt, city aud., constructing and equipping filter plant, also outside piping and intake. $75,-000. L. P. Wolff, Globe Bldg., St. Paul, Minn., engr.

Okla., Wewoka — Nov. 4, by D. R. Fraser, city clk., one 60,000 gal. and one 500,000 gal. steel tank on tower, 2 m.g. filter plant, two 1,000 g.p.m. pumps and motors, 11,290 ft. 8- to 12-in. mains, etc., in various streets. $125,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 1.

Calif., Burlingame—J. R. Murphy, city clk., taking bids trenching and laying 6- to 16-in. c.i. mains in various streets. Noted June 9.

Calif., Orange—Nov. 1, by C. D. Lester, city clk., drilling 700 ft. well, 20 in. in diam. at water plant.

Calif., Sacramento—Oct. 27, by H. W. Hall, clk. Sacramento Co., redwood tank, approximately 25,000 gal. capacity on tower already in place. C. Deterding, Sacramento, co. engr.

B. C., Vancouver — Oct. 31, by E. A. Cleveland, engr., 500 Beatty St., 19,230 ft.

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Waterworks (Continued)

20- to 32-in. steel pipe, etc. for Greater Vancouver Water Dist. $70,000.

Contracts Awarded

O., Cleveland—Cuyahoga Co., 13,500 ft. 6, 8 and 12 in. c.i. main in Bradley Rd., Impvt., 1257, to D. M. Zullo, 10614 Frank Ave., $499,695, and 20,000 ft. main in Cook Rd., Hamlin St., etc., Impvt. 1452, to E. P. Langehan Constr. Co., Marshall Bldg., $74,362.

O., Cleveland—Cuyahoga Co., 8,500 ft. 6, 8 and 12 in. c.i. mains in Hall, Walter and Florence Rds., to Union Constr. Co., 1426 East 81st St., $27,718. Noted Sept. 22.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., 40 m.g. steam turbine driven centrifugal pump at Riverside Pumping Station, to De Laval Steam Turbine Co., Peoples Gas Bldg., Chicago, Ill., $57,500.

Kan., Irving—Waterworks improvement, to R. Knox Constr. Co., Clifton, $20,640. Noted Oct. 13.

Ark., Little Rock—Arkansas Water Co., 425 West 5th St., 12 m.g. booster pump, to Worthington Pump Corp., 115 Bway., New York City; and 2.5 m.g. concrete reservoir, to Arkansas Texas Constr. Co. Engrs. est. $125,000.

Okla., Cordell — Waterworks improvements, to Webster Constr. Co., 1st Natl. Bank Bldg., Oklahoma City, $21,400. Noted Aug. 18.

Calif., El Segundo—V. D. McCarthy, city clk., 23,200 ft. 4- to 10-in. Class "B" B. & S. c.i. pipe, etc., to Pacific States C. I. Pipe Co., 417 South Hill St., Los Angeles, $10,937; 3,100 ft. 2 in. galvanized pipe, to Grinnell Co., 520 Mateo St., Los Angeles, $603; laying pipe in various streets, will be done by city forces under supervision R. T. Hutchins, city engr. Noted Sept. 8.

Calif., Vallejo—A. E. Edgcumbe, city clk., repairing spillway at Lake Curry, Napa Co. in connection with municipal water works, to J. F. Collins, 107 West Maple St., Stockton, $36,310. Noted Oct. 6.

B. C., Vancouver—Greater Vancouver Water Dist., five 18 in., five 24 in., two 32 ft., two 36 ft., one 48 in., one 60 and one 72 in. gate valves also 4 in. air valve, to Vancouver Mchy. Depot Ltd., 1155-6th Ave. W., $15,178; ninety-eight 4- to 12-in. gate valves, to Terminal City Iron Wks., 1949 Albert St., $3,311; and 4,500 ft. 18 plain spigot and faucet c.i. pipe 1¼ in. thick, to Seith, Murray & Co., 510 Hastings St. W., $25,193. Grand total, $43,682.

Sewers

Proposed Work

Mass., Cambridge (br. Boston)—City, J. J. Terry, supt. Pub. Buildings, City Hall, rejected bids Sept. 23, 1 story, rein.-con. offal receiving station, Raymond St. $65,000. Will readvertise. Blackall, Clapp & Whittemore, 31 West St., Boston, archts. Noted Sept. 15.

Va., Broadway—See "Waterworks."

La., DeQuincy—Soon takes bids complete sewerage system. $115,000.

Ind., Anderson—Plans 1½ mi. sewer in Loumandale addition. $45,000. M. H. Donney, city engr.

Mich., Muskegon — Making plans Moon St. Interceptor SD-31, 2,700 ft. 27 in. d.s. vitr. pipe in 6 in. concrete, $35,000; and Moon St. Storm Sewer, 980 ft. 12- to 18-in. vitr. pipe, $10,000. H. J. Lewis, City Hall, engr.

Ill., Decatur — Making plans Broadway Relief Sewer. $1,000,000. Warren & Van Praag, Inc., Decatur, engrs. Noted June 23.

Ark., Hot Springs National Park—South Hot Springs & Oaklawn Sewer and Water Impvt., Dist. plans 11 mi. sewers, Imhoff tank, sludge bed, and 7 mi. water mains in various streets. H. S. Moreland, 625 Central Ave., Hot Springs, engr. Black & Veatch, Mutual Bldg., Kansas City, consult. engrs.

Okla., Edmond — Voted $27,000 bonds, sewer extensions and disposal plant. Peckham & Riggins, 225½ West Grand Ave., Oklahoma City, engrs.

Calif., Alameda—Making estimates intercepting sewer (to eliminate ponution in San Leandro Bay). To exceed $25,000. B. Hamilton, city engr.

Calif., Compton—Making plans sewers in Henrietta Sq., Oleander St., etc. To exceed $25,000. G. Rood, city engr.

Calif., Culver City—Making plans sewer in west of Overland Ave. To exceed $25,000. Koebig & Koebig, Title Insurance Bldg., Los Angeles, engrs.

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Calif., Los Angeles — Voted $325,000 bonds, outfall sewer in Burbank.

Calif., Menlo Park—Menlo Park Sanitary Dist. voted $40,000 bonds, sewerage system.

Calif., Oakland—Made plans 31,234 ft. 8 and 10 in. vitr. sewers, etc., in 72nd and 73rd Aves., etc. G. N. Randle, city engr.

Calif., San Mateo — Making estimates joint sewage disposal plant for Hillsborough and San Mateo. To exceed $25,000. G. A. Kneese, Court House, Redwood City, engr.

Calif., Santa Monica — Plans sewer in Dewey and Navy Sts. $25,000 or more. H. B. Carter, city engr.

Calif., Santa Monica — Making plans Colorado Ave. Storm Drain, approximately 15,611 ft. radial brick 7.5 x 10.6 ft., 26,264 12- to 60-in. concrete pipe, etc. H. B. Carter, city engr.

Bids Desired

Mass., Boston — Oct. 27, by Dept. Pub. Wks., Boston, sewerage, system in Porter St., Outlet and Commonwealth Ave. Flats between Boston Harbor and Cottage St., East Boston. To exceed $25,000. J. H. Sullivan, comr.

Mass., Boston—Oct. 21, by Dept. Pub. Wks., Boston, sewerage works in various streets in Brighton and Roxbury. $25,000. J. H. Sullivan, comr.

N. Y., Albany—Oct. 24, by Bd. Contr. & Supply, City Hall, extending Judson St. trunk sewer and laying sewer in Eileen St.

N. Y., Brooklyn—Oct. 26, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Kenmore Pl., Troy, Livonia and Myrtle Aves., Avenues N and L, Ocean and Rockaway Parkways, Colonial and Lenox Rds., East 48th, 70th, Jerome, West 8th, East 92nd, Winthrop, East 53rd, 77th Sts., etc.

N. Y., Freeport — Oct. 31, by Village Sewer Comrs., at office Village Clerk, West Merrick Rd., force main and completing main trunk sewers in various streets. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. Oct. 20.

N. Y., Long Island City—Oct. 26, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in 77th St.; sanitary sewer to be used temporarily for removal limited amount storm water in Jamaica Ave. from Hollis Court Blvd. to 212th St., and Jamaica Ave. from Cross Island Blvd. to 204th St., also in 212th St.

Pa., Harrisburg—Oct. 21, by A. Sherk, comr. Bd. Pub. Serv., new trunk sewer in Aberdeen and Strawberry Sts.; also in State St. between Cameron and 13th Sts. etc. E. C. Cowden, city engr.

Pa., Northampton — Nov. 3, by R. M. Kiechel, secy. Town Council, sanitary sewers and disposal plant; adv. E. N.-R. Oct. 20.

Pa., Phila.—Oct. 26, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, branch sewers; and Schedule B, main sewers in various streets. G. H. Biles, dir.

Ky., Louisville—Nov. 17, by Commissioners of Sewerage, Bd. of Trade Bldg., Southwestern Storm Sewer Outlet Contr. 36. J. B. F. Breed, ch. engr.; adv. E. N.-R. Oct. 20. Noted Mar. 24.

O., Akron—Nov. 10, by W. F. Peters, dir. Pub. Serv., Municipal Bldg., Cuyahoga River Outfall Sewer, Contr. 2; adv. E. N.-R. Oct. 20.

O., Dayton—Oct. 24, by Comrs. Montgomery Co., 18,324 ft. 4- to 12-in. c.i. and 8,310 ft. 8 in. vitr. sewer, etc. in Riverside Sewer & Water Dist., Sect. "C", $35,000. P. E. Borchers, U. B. Bldg., county sanitary engr.

Ill., Chicago — Oct. 25, by Bd. Local Impvts., Room 207, City Hall, tile sewers with brick catch-basins and brick manholes in portions West 19th and West 101st Sts., Avondale, Devon, South Kenneth, South Kilbourn, South Lamon, South La Porte, South Laramie, South Levergne, South Leamington, North Neva, Archer and Ewing Aves. M. J. Faherty, pres.

Okla., Rush Springs — Oct. 27, by G. Spencer, city clk., extending 17,000 ft. 6- to 12-in. sewers in various residential streets. $35,000. J. C. Milliken, Continental Bldg., Oklahoma City, engrs.

Okla., Wewoka—Nov. 4, by O. R. Fraser, city clk., 21,800 ft. 8 and 10 in. vitr. clay sewers, etc. 5 streets. $60,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 1.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, branch sewers in Burton and Glenlock Sts., also Duffield St., to F. Jafallo, 10 Ryders Ave., $9,491 and $13,640 respectively; G St., to Leva Bros., 104 West Gale St. $9,351; Guyer and Island Aves., to Sabatini Vallone Co., 1720 South Chadwick St. $4,523 and $3,829 respectively; I and Roxborough Aves., to E. Ventresco, 6016 Ross St., $2,434 and $2,023 respectively; Loretto St., to F. DiPasquale, 1215 South 7th St., $17,248; and Magdalena St., to J. Hastie & S. Solomon, Girard Bldg., $13,890. Grand total $80,435. Noted Sept. 29.

O., Alliance—Bd. Control, sewage treatment plant, to W. E. Sexton, Minerola, N. Y., $472,102; also outfall sewer, to F. George, Mahoning Bank Bldg., Youngstown, $166,370. Noted Sept. 8.

O., Columbus—W. H. Duffy, dir. Service, 7,095 ft. 15- to 48-in. vitr. sewer, etc., in Mound St., to W. W. Neilson, 168 East Lane Ave., $30,495. Noted Sept. 29.

O., Hamilton—Trunk sewers in east end city, to Andrews Asphalt Paving Co., Hamilton, $298,600.

O., Parma (br. Cleveland) — Sewer in Ridge Rd., to Huron Constr. Co., 646 Huron Rd., Cleveland, $25,435.

Mich., Grand Rapids—F. H. Locke, city mgr., vitr. and concrete sewers in Benton, Madison and Division Sts., to O. Johnson, Port Huron, $211,931. Noted Oct. 6.

Ill., Blue Island — Village, 3 sewerage systems, to C. M. Porter Co., 228 North La Salle St., Chicago, $125,183. Noted July 21.

Ill., Chicago—M. T. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., West Side Intercepting Sewer, Contr. 1, to Paschen Bros., 111 West Washington St., $3,333,440. Noted Sept. 22.

Ill., Park Ridge — Concrete, vitr. and rein.-con. sewers, sidewalks, paving, etc. various streets, to Nicholas Santucci, Niles Center, $780,949.

Wis., Milwaukee—Metropolitan Sewerage Comn. 508 Market St., main sewer known as Metropolitan Contr. 44, also extending 14th Avenue Sewer, to Ribbeiss Bros., 1982 Woodburn St., Whitefish Bay, $43,205. Noted Sept. 29.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, two 25 x 29 ft. rein.-con. arch sewer through Forest Park with laterals, etc., Sect. D River Des Peres Project, to A. Guthrie & Co., Inc., 1209 Builders Exch. Bldg., St. Paul, Minn., $2,296,057. Engrs. est. $3,100,000. Noted Sept. 15.

Tex., Mission—For 6 mi. 10 in. mains and sewage disposal plant, to Agar & Gentry, San Benito, approximately $60,000. Noted June 2.

Calif., Los Angeles — Sewer in Curson Ave. between Cadet Ave. and Pico Blvd., to J. Chutuk, 343 Wilcox Bldg., $37,126. Engrs. est. $48,665.

Calif., San Francisco — Bd. Pub. Wks., rein.-con. sewer in 30th Ave., to Federal Constr. Co., Call Bldg., $28,982. Noted Oct. 6.

Waste Disposal

Proposed Work

O., New Boston (Portsmouth Sta.)—W. D. K. Taylor, village clk., garbage incinerator, Milldale Rd., to Pittsburgh Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $38,000. Noted Sept. 8.

Bridges

Proposed Work

Ill., Calumet City — Cook Co. Highway Dept., 139 North Clark St., Chicago, making plans 3,100 ft. bridge over Calumet River, on Burnham Ave., here. G. A. Quinlan, 139 North Clark St., Chicago, engr.

Missouri — State Hy. Comn., Jefferson City, making plans two 6 ft. rein.-con. slab spans, etc., over creek, and one 16 ft. I-beam span, etc., over Side Road Creek, Bollinger Co.; two 8½ ft. rein.-con. slab spans, etc., over Youngs Creek, two 10 ft. rein.-con. slab spans, etc., over Craghead Branch, and four 30 ft. rein.-con. deck grider spans, etc., over Stinson Creek, Callaway Co.; one 20 ft. rein.-con. slab span bridge over creek, Cass Co.; one 84 ft. steel truss span bridge over Fishing River, and repairing bridge at Sta. 286 plus 00, Clay Co.; constructing bridge over Osage River, at Sta. 522 plus 24.2, Cole and Osage Counties; one 40 ft. and two 30 ft. rein.-con. deck girder span bridge over Little Tarkio Creek, one 35 ft. rein.-con. deck and two 20 ft. rein.-con. slab spans, etc., over Porter Creek, one 20 ft. I-beam span bridge over Todd Ditch, also one 80 ft. steel truss

Bridges (Continued)

and two 40 ft. I-beam spans, etc., over Squaw Creek Ditch, all Holt Co.; one 16 ft. I-beam span bridge over small ditch, one 16 ft. I-beam bridge over Borrow Pit, one 140 ft. and two 60 ft. steel truss spans, etc., Drainage Ditch and six 20 ft. I-beam spans, etc., over Nodaway River Drainage Ditch, also one 80 ft. steel truss span bridge over Mill Creek Drainage Ditch, all Nodaway Co.; one 45 ft., one 38.5 ft., and one 43 ft. rein.-con. deck girder bridge over Wabash R.R. tracks, Warren Co.; four 20 ft. rein.-con. slab spans, etc., over Osage River, two 35 ft., and six 50 ft. rein.-con. girder, also one 225 ft. opened spandrel arch span bridge, St. Clair Co.; and reflooring two bridges in Reynolds Co. T. H. Cutler, ch. engr.

Missouri—City of Kansas City, St. Louis & San Francisco Ry. Co., F. G. Jonah, ch. engr., St. Louis, Kansas City Southern Ry. Co., A. N. Reese, ch. engr., Kansas City, and Missouri Pacific Ry. Co., E. A. Hadley, ch. engr., Railway Exch., St. Louis, plan rein.-con. and steel viaduct, on Winner Rd. between Kansas City and Independence. $1,900,000.

Tex., Archer City — See "Streets and Roads."

Tex., Batesville — See "Streets and Roads."

Tex., Belleville—See "Streets and Roads."

Tex., Bonham—See "Streets and Roads."

Tex., Carrizo Springs—See "Streets and Roads."

Tex., Centerville — See "Streets and Roads."

Tex., Cold Springs — See "Streets and Roads."

Tex., Crockett—See "Streets and Roads."

Tex., Plainview — See "Streets and Roads."

Okla., Braggs—State Hy. Dept., Oklahoma City, making preliminary plans 2 span 166 ft. steel truss bridge near here, Cherokee Co. $42,000. C. R. Mandigo, highway engr.

Bids Desired

New York and Pennsylvania—Nov. 4 by A. W. Brant, comr. Highways, Albany, N. Y., repairing and strengthening interstate bridges on Pond Eddy-Pond Eddy Railroad Station Narrowburg-Damascus Contr. 4, Sullivan Co., for New York State Dept. Pub. Wks. Div. of Highways, Albany, N. Y. and Commonwealth of Pennsylvania, Harrisburg; adv. E. N.-R. Oct. 20.

Pa., Pittsburgh — Oct. 26, by Comrs. Allegheny Co., Court House, 3 span 3,980 ft. bridge over Allegheny River, on 31st St. $1,700,000. Dept. Pub. Wks., 519 Smithfield St., engrs. Noted June 17.

Virginia — Nov. 7, by District Comrs., District Bldg., Wash., D. C., reconstructing abutment of Chain Bridge, here.

La., Coushatta—Nov. 15, by State Hy. Comn., Baton Rouge, bridge over Red River, here, Red River Parish. $300,000. N. W. Bowden, Baton Rouge, state highway engr.

La., New Orleans—Nov. 3, at office Dept. Pub. Finances, Purch. Div., T. S. Walmsley, comr., City Hall, rein.-con. bridge and approaches over 17th St. Canal, on prolongation of lake side roadway of South Claiborne Ave.; adv. E. N.-R. Oct. 20. Noted Sept. 15.

Ohio—Oct. 28, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, two 40 ft. span beam bridge on Sect. "D" Cincinnati-Brooksville Rd., Butler Co., $13,904; three 32 ft. span beam bridge Sect. "C" Columbus-Washington C. H. Rd., Fayette Co., $22,889; 2 rein.-con. bridges and 2 top slab culverts, Sect. "B" Middletown-Eaton Rd., Butler Co., $19,144; also removing steel truss and constructing 40 ft. beam bridge, Sect. "L" Lima-Sandusky Rd., Sandusky Co., $7,355.

Ind., Anderson — Nov. 15, by Comrs. Madison Co., concrete bridge, $30,000. A. B. Steele, co. surv.

Illinois — Oct. 26 (extended date), by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, widening two 59 ft. span rein.-con. girder bridge on Route 6, Sect. F-1 Cook Co.; 75 ft. steel bridge on Route 7, Sect. 4-B-1, Henry Co., one 50 ft. rein.-con. girder bridge, two 30 ft., two 100-ft., and one 150 ft. span rein.-con. substructure on Route 10, Sect. 36-B, also two 100 ft. and one 150 ft. steel superstructure on Route 10, Sect. 36-C, all Vermilion Co.; one 50 ft. rein.-con. girder and two 26 ft. rein.-con. slab bridges, also three 10 ft. rein.-con. box culverts on Route 72, Sect. 128-B, DeKalb and Kane Counties; two 16 ft., one 20 ft. and one 30 ft. span rein.-con. slab bridges on Route 81, Sect. 102-B, Henry Co.; one 28 ft., three 35 ft., and two 30 ft. span rein.-con. and girder bridges on Route 116, Sects. 113-B and 114-B, Livingston Co.; two 28 ft. span rein.-con. slab bridge, also one 42 ft. and one 30 ft. span rein.-con. girder bridges on Route 156, Sect. 102-B, Monroe Co. F. T. Sheets, ch. highway engr. Noted Oct. 13.

Illinois—See "Streets and Roads."

Nebraska—See "Streets and Roads."

Neb., Lisco—Oct. 26, by H. C. Fickles, clk. Garden Co., Court House, Oshkosh, eight 80 ft. pony truss span bridge over Platte River, near here. $190,000. R. L. Cochran, Lincoln, state highway engr.

Okla., Oklahoma City—Oct. 24, by J. W. Berry, clk. Oklahoma Co., 10 span 144 ft., rein.-con. trestle, 46.4 tons I-beam steel, 37.7 tons reinforcing, 4,600 ft. wooden piling, etc. $31,250. R. S. James, Court House, engr.

Washington—See "Streets and Roads."

California—Oct. 31, by State Hy. Dept., Sacramento, repairing eleven 30 ft. span bridge over New River near Seeley, Imperial Co.; also grading and concrete paving, etc. 0.4 mi. roadway at Ben Ali subway, Sacramento Co. R. M. Morton, Strub Bldg., Sacramento, engr.

B. C., Wardner—Nov. 4, by Dept. Pub. Wks., Victoria, three 164 ft. steel truss span bridge, 14 ft. over Kootenay River, here, for Provincial Govt., Victoria. $50,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

Contracts Awarded

New York—A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)**, to Albany Bridge Constr. Co., 518 Bway., Albany, reconstructing bridge on Repair Contr. 1667, Highway 619, Sammonsville-Johnstown Rd., Fulton Co., $28,842 e. e. $35,194; to S. C. Dodds, 52 Luzerne St., Rochester, bridge on Repair Contr. 1660, Highway 5400-A, Warsaw-Gainsville Rd., Wyoming Co., $11,209 e. e. $15,521, and 4,500 sq.ft. steel sheet piling reconstruction 1668, Highway 8030, Machias-Yorkshire Rd., Cattaraugus Co., $1,710 e. e. $2,700; and to Shepard Constr. Serv. Inc., 1711 Spring St., Syracuse, reconstructing bridge on Repair Contr. 1663, Highway 5284, Nicholville-Moira Rd., St. Lawrence Co., $27,346 e. e. $35,766, on Repair Contr. 1661, Highway 5076, Malone-Moira, Part 3 and Highway 5284, Nicholville-Moira Rd., Franklin Co., $60,589 e. e. $76,640, bridge on Repair Contr. 1662, Highway 5613, Malone-Chateaugay Rd., Franklin Co., $34,840 e. e. $45,435, and on Repair Contr. 1664, Highway 1100, Indian Lake Co. Line Rd., Hamilton Co. $52,936 e. e. $66,716; to Ontario Constr. Co., Inc., Rochester, on Repair Contr. 1665, Highway 389, Maple Ridge Rd., Part 1, Orleans Co., $11,400 e. e. $15,096; to A. C. Toaspern & Co., Barryville, on Repair Contr. 1658, Highway 1486, Whitney Point-Lyle Rd., and Highway 1612, Whitney Point Village, Broome Co., $106,771 e. e. $138,465. Grand total $335,643. Noted Oct. 13.

New York and New Jersey—Port of New York Authority, 75 West St., New York City, wire cable for Hudson River Bridge from Fort Washington, N. Y. to Fort Lee, N. J., to John A. Roebling Sons' Co., South Broad andCanal Sts., Trenton, N. J., $12,339,977; and steel towers and floors, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., $10,134,440. Noted Oct. 6.

Alabama—State Hy. Comn., Montgomery, **(F.A.P. means Federal Aid Project)** bridge and approaches on S-101, Colbert and Lawrence Counties, to Booze & Boyd, Lewisburg, Tenn., $24,640; bridge on roadway between Cooks, Springs and Leeds, St. Clair Co., to Willmore Constr. Co., Wilmore, Ky., $36,504; bridge on roadway from Florence to Tennessee State Line, Lauderdale Co., to General Constr. Co., 408 Pine St., St. Louis, Mo., $69,902; bridge and approaches between Goodwater and Sylacauga, Coosa Co., to B. B. Smith, Montgomery, $25,858; bridge on McKenzie and Evergreen Rd., S-222, Conecuh Co., to Singer Constr. Co., Lafayette, $17,119; bridges on roadway between Tuscumbia and Margerum, F.A.P. 196, Colbert Co., to Southern Constr. Co., 615 South 11th St., $72,558; bridge on roadway between Tuscaloosa and Hale Co. line, Tuscaloosa, and bridge on roadway between Orrville and F.A.P. 169-A, F.A.P. 169-B, Dallas Co., to E. Pettus, Montgomery, $51,281 and $50,877 respectively. Grand total $348,739. Noted Sept. 22.

O., Hamilton—Baltimore & Ohio R.R. Co., H. A. Lane, ch. engr., Baltimore, Md., general contract bridge, here, to Vang Constr. Co., Bessemer Bldg., Pittsburgh, Pa. Engrs. est. $60,000.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 127, Sect. 112-B, Clinton Co., to A. Calberson, Oconee, $12,664; on Route 88, Sect. 102-B, Whiteside Co., to Pickus Eng. & Constr. Co., Chicago, $16,415; on Route 88, Sect. 102-C, Whiteside Co., to Illinois Steel Bridge Co., Jacksonville, $17,558; on Route 116, Sect. 102-B, Tazewell Co., to Schmitt Constr. Co., Peoria, $15,879; on Route 116, Sect. 102-C, Tazewell Co., to Vincennes Bridge Co., Vincennes, Ind., $6,466; on Route 78, Sect. 134-B, Fulton Co., to M. R. Deyo, 801 West Washington St. E., Peoria, $28,031; and on Route 89, Sect. 115-B, Bureau Co., to G. C. Fairclo, Champaign, $22,395. Grand total $119,408. Noted Sept. 8 and 15.

Kan., Cottonwood Falls — See "Streets and Roads."

Kan., Girard—See "Streets and Roads."

Kan., Salina—See "Streets and Roads."

Mo., Springfield—C. A. Dickerson, city clk., 1,100 ft. rein.-con. bent and T-beam viaduct, on Benton Ave., to M. E. Gillioz, Monett. $149,194. Engrs. est. $200,000. Noted Sept. 29.

Tex., San Antonio—City Engineering Dept. 1 span, 80 ft., rein.-con., bridge 44 ft. over San Antonio River, on Martin St., to J. G. Jeffrey, c/o Builders Exch. Bldg., $25,139. Noted Sept. 15.

Tex., Seguin—Guadelupe Co., c/o J. B. Williams, judge, one 180 ft. span steel and rein.-con. bridge with 200 ft. timber pile trestle approaches over Guadelupe River, point 3.5 mi. west of here, to Austin Bridge Co., 1813 Clarence St., Dallas, $26,114. Engrs. est. $30,000. Noted Oct. 6.

Idaho—J. D. Wood, comr. Pub. Wks., Boise, one 120 ft. concrete arch and three 45 ft. girder span bridge over Snake River, on Federal Aid Project 43-B, Idaho Falls, to C. F. Dinsmore & Co., Ogden, Utah, $62,613; and two 21 ft. span bridge, on Federal Aid Project 104-C, near Payette, Payette Co., to J. M. Sharp, Boise, $6,009.

Washington—State Hy. Comn., Olympia, one 180 ft. riveted steel through and three 30 ft. rein.-con. tee beam approach span bridge, 20 ft. roadway, etc. over Teanaway River, on State Rd. 2, Kittitas Co., to R. A. Geary, 22 Sloan Bldg., Yakima, $34,579. Noted Sept. 22.

California—See "Streets and Roads."

Calif., Los Angeles — Bridge over Los Angeles River, at Sepulceda Blvd., to Lynch-Cannon Eng. Co., 1027 Chapman Bldg., $37,217. Noted Sept. 22.

Railways

Proposed Work

Oklahoma—Oklahoma Ry. Co., 209 Terminal Bldg., Oklahoma City, G. B. Treat, ch. engr., making preliminary plans 15 mi. electric belt line railway around south and west parts Oklahoma City. $1,500,000.

Bids Desired

New Zealand—Feb. 21, by Secretary Pub. Wks. Tenders Bd., Wellington, constructing approximately 7 mi. Wellington-New Plymouth Railway, Tawa Flat Deviation, incl. two tunnels, in Wellington; adv. E. N.-R. Oct. 20.

Contracts Awarded

California — Bd. Pub. Wks., San Francisco, laying tracks for railway Sunset Line along Judah St., in San Francisco, to Eaton & Smith, 715 Ocean Ave., $248,267. Noted Sept. 22.

Alberta—Canadian Pacific Ry. Co. (western lines), Winnipeg, Man., grading 33 mi. line from Rosedale to near Bull Pound Creek, to Dutton & Mannix, 803 MacArthur Bldg., Winnipeg, Man.; and constructing 23 mi. Rosemary Northerly Branch, to H. G. Macdonald, Esq., Edmonton.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

La., Ponchatoula—Gravity D. D. 2 voted $240,000 bonds, constructing levees and drainage ditches in district.

La., Rayville—Tensas Basin Levee Dist., J. W. Summerlin, pres., soon takes new bids 150,000 cu.yd. levee work in various districts in Ouachita and Caldwell Parishes. Former bids rejected. State Bd. Engineers, New Orleans Court House Bldg., New Orleans, engrs.

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Tex., Crystal City—Dimmit Co., c/o W. Davis, judge, Crystal City, making preliminary plans irrigation work and reconstructing retaining dam on Nueces River, 6 mi. north of here. $75,000. Address J. G. Lott, Crystal City, co. engr.

Calif., Los Angeles—City Harbor Comn. making plans apron wharf at Berths 177-178, 10,000 cu.yd. dredging, 15,000 sq. ft. 3 in. bituminous paving, 1,120 lin.ft. 128 lb. railroad steel, 219,150 ft. rough, creosoted and fender lumber; also 150 ft. wharf extension at Berths 150-151. G. F. Nicholson, Berth 90, San Pedro, engr.

Calif., Los Angeles—Harbor Comn. making plans dredging Auxiliary Anchorage 1. $25,000. G. F. Nicholson, San Pedro, city harbor engr.

Bids Desired

Tenn., Huntington — Oct. 24, by M. R. Maddox, atty., 8.5 mi. open ditch work draining portion city, 165,000 cu.yd. excav., etc., for City. $29,370. W. H. Stinson, Milan, engr.

Illinois — Nov. 4, by Drainage Comrs. Union D. D. 1, Hamilton Twp., Lee Co., and Hahnaman Twp., Whiteside Co., at Town Hall, Hamilton, 465,579 cu.yd. excav., etc. Address L. B. Neighbor, Dixon.

Ill., Jamaica—Nov. 4, by Comrs. Jamaica Special Drainage Dist., Vermilion Co., cleaning 23,826 ft. open ditch, 46,053 cu.yd. excav., etc. $15,000. J. Fisher, Danville, engr.

Ill., Piper City—Nov. 4, by Comrs. Vermilion Special D. D. Paxton, redredging 5 mi. ditch, 560,000 cu.yd. excav., etc., near here. F. M. Thompson, Paxton, atty.

Calif., Los Angeles—Silver Lake Terrace Co., 527 Pacific Mutual Bldg., taking bids 300 ft. retaining wall 35 ft. high, and excavating 25,000 cu.yd. at Sunset and Sunset Lake Blvd.

Calif., Richvale—Nov. 1, by M. Harris, secy. Drainage Dist. 100, cleaning and constructing 19,600 lin.ft. drainage ditch.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Bridge Div., 401 ft. retaining wall approximately 20 ft. high for east approach to Green Lane Bridge, to C. A. MacDonald, 809 North 63rd St., $44,070. Noted Sept. 29.

Louisiana—Bd. State Engineers, 213 New Orleans Court Bldg., New Orleans, to Callahan-Walker Constr. Co., 1106 1st Natl. Bank Bldg., Omaha, Neb., constructing 75,000 cu.yd. levee work in Alexandria Front, Red River, Atchafalaya and Bayou Boeuf Levee Dist., at $0.149 per cu.yd.; to B. J. Carbo, Alexandria, 28,000 cu.yd. Richardson Point $0.245; to Picard Constr. Co., Hicks Bldg., New Orleans, 3,000 cu.yd. Sarto Group $0.236; to L. J. Couvillion, Hamburg, 12,127 cu.yd. Nolan Slough $0.265; to L. O. Bordelon, New Orleans, 700 cu.yd. Simmesport Leak $0.2375; to Clofton & Bushing, Bayou Current, 1,500 cu.yd. Woodside School House $0.65; to J. P. Herbert, Breaux Bridge, 2,000 cu.yd. St. Joseph's Church $0.27; to S. J. Hulse, Melville, 350,650 cu.yd. Delana, Morgan Ferry and Harvard slides $0.25, 6,000 cu.yd. Bayou Petie Prairie slide $0.20, 300 cu.yd. Atkins Bayou Scour $0.21, and 2,000 cu.yd. Two Mile Bayou crawfish holes $0.225.

California—See "Streets and Roads."

Calif., Los Angeles — Bd. Supervs. Los Angeles Co., concrete retaining walls for 1,400 ft. channel Sierra Madre Dam, rein.-con. arch type bridging, etc., Proposition 1, to C. Fischer, 434 Chamber of Commerce Bldg., $40,999; Proposition 2, to Calahan Constr. Co., 1730 Industrial St., $88,000; and Proposition 4, to E. J. Goss, 1109 North Vermont Ave., $14,315. Grand total $143,314.

Que., Riviere du Loup — S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., reconstructing and repairing wharf, here, to Lodger Lemieux Ltd., Ste. Marie, $12,240. Noted Sept. 15.

B. C., New Westminster — Dept. Pub. Wks., Ottawa, Ont., S. E. O'Brien, secy., 1,000 ft. rock embankment between Woodwards Island and No. 1 Island, in Fraser River, here, to Fraser River Pile Driving Co., 150 Front St., $32,335. Noted Sept. 1.

Streets and Roads

Proposed Work

Mass., Boston—Dept. Pub. Wks., plans laying out and reconstructing extension Fox St. and Rockland Ave., Dorchester and Barstow St., Brighton, as highways. $25,000 or more. J. H. Sullivan, comr.

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Mass., Weymouth — Plans grading and bituminous macadam or asphalt paving Washington Sq. $25,000 or more. F. E. Waite, chn. Bd. Selectmen.

New York—A. W. Brandt, comr. Highways, Albany, rejected bids Oct. 7, reconstructing 1.33 mi. Repair Contr. 1645, Weaver St., Part 1, Westchester Co., and 6.29 mi. Highway 1760, Hopewell-Junction-Millbrook Rd., Part 3, Dutchess Co. Noted Oct. 13.

N. J., Jersey City—Bd. City Comrs., E. J. Holland, city clk. plans repaving Mercer, Wayne, and Merseles Sts. $74,000 appropriated; and portions Communipaw and West Newark Aves., $25,000 appropriated.

N. J., Seaside Heights—Boro Council plans sheet asphalt paving various streets. $30,000. H. M. Herbert, Seaside Heights, engr.

Ga., Jesup—Takes bids about Oct. 25, curbing, guttering and paving, etc. approximately 20,000 sq.ft. 2nd paving project. Carolina Eng. Co., 917-919 Johnston Bldg., Charlotte, N. C., engrs. W. K. Dickson, resident engr.

Alabama—State Hy. Dept., Montgomery, rejected bids Oct. 5, gravel surfacing 12.25 mi. roadway between Perdido Station and Bayminette, Federal Aid Project 163, Baldwin Co. Noted Sept. 15.

Miss., Yazoo City—Making preliminary plans grading, curbing and concrete or asphalt paving 27 blocks Mound, Jefferson, Yazoo, Washington, Canal, Monroe, Jackson and Bridge Sts.

La., Westwego—Voted $200,000 bonds, grading and paving various streets.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, making surveys improving 12 mi. Franklin-Columbia Rd., State Road 6. C. N. Bass, comr.

Tenn., Cleveland—Bradley Co. plans improving Georgetown-Decatur Rd. and Hicks Mill-Polk Co. line Rd., etc. To exceed $25,000.

Tenn., Franklin—Williamson Co. plans improving 12 mi. Franklin-Spring Hill Rd. $50,000 appropriated.

Tenn., Greenville — Greene Co. appropriated $205,000, improving portions Greenville-Bulls Gap and Greenville-Kingsport Rds.

Tenn., Huntingdon—Carroll Co. and Dept. Highways & Pub. Wks., Nashville, plan improving 10 mi. McKenzie-Trezevant Rds. C. N. Bass, Nashville, comr.

Tenn., Newport—Cocke Co., plans constructing 20 mi. road from Jefferson Co. line to North Carolina line. $800,000. Work will probably be done under supervision of State Hy. Dept., Nashville.

Michigan—H. C. Fleming, resident engr., Grand Rapids, takes bids about Nov. 10, grading 3.8 mi. Federal Aid Rd. FO54-7 C, Mecosta Co., for State Hy. Dept., Lansing.

Michigan—H. G. Oakes, resident engr., Cadillas, takes bids about Nov. 3, two course graveling 5.76 mi. MO45-11 A and C. Contr. 1, Leelanau Co., 18 ft., for State Hy. Dept., Lansing.

Mich., Detroit—Wayne Co. making preliminary plans concrete paving various roads and grade separation structures. $7,000,000. L. Smith, Cadillac Sq. Bldg., engr. mgr.

Missouri — State Hy. Comn., Jefferson City, making plans grading approximately 29 mi. roads in Cass, Cape Girardeau, Pettis and Christian Counties; 30 ft. grading approximately 44 mi. roads in 19 counties; 44 ft. grading approximately 9 mi. Cole Co.; 50 ft. grading 4.3 mi. Dorset-Oliver State Rd., St. Louis Co.; 18 ft. graveling, etc., 4.5 mi. Lowry City-Osceola Rd., St. Clair Co.; 9 ft. concrete paving, etc., approximately 9 mi. road from Pleasant Hill north, Cass Co.; and 18 ft. concrete paving, etc., approximately 22 mi. road in Cape Girardeau, Cass and Pettis Counties. T. H. Cutler, ch. engr.

Mo., Bunceton — Voted $25,000 bonds, grading and graveling, etc. Bunceton Special Road Dist. 16.

Mo., Jackson — F. G. Ockel, city clk., takes bids probably in November, grading, asphalt or concrete paving, etc. approximately 13,000 sq.yd. Main, High, Court, Barton and 1st Sts. $40,000. Former contract rescinded. Edward Flad & Co., 916 Chemical Bldg., St. Louis, engrs. Noted June 16.

Ark., Texarkana—Soon takes bids asphalt on concrete paving approximately 40,000 sq.yd. various streets.

Tex., Archer City—Archer Co. making plans grading, bridging and rein.-con. paving 9.297 mi. State Highway 79 from Archer City to Sta. 494, 26 ft. $93,000. G. A. Johnson, Archer City, engr.

Tex., Batesville — Lavalla Co. making plans grading and bridging 31.6 mi. State Highway 55, 26 ft. $94,000. G. H. Jowers, Batesville, engr.

Tex., Belleville—Austin Co. making plans grading and bridging 14.185 mi. highway from Brazos Junction through Road Dist. 4 to Mill Creek, State Aid Project 646, 18 ft. $135,400. H. Schroeter, Belleville, engr.

Tex., Bonham—Fannin Co. making plans grading and bridging 4.474 mi. State Highway 5, Federal Aid Project 464-A, Unit 1, 26 ft. $26,000. A. J. Goode, Bonham, engr.

Tex., Carrizo Springs—Dimmit Co. making plans grading and bridging 9.549 mi. State Highway No. 55 from point 1.75 mi. southeast of here through Ashton, $50,360; and 10.839 mi. State Highway 55 from Zavalla through Carrizo Springs to Sta. 575, 26 ft. $90,000. J. G. Lott, Carrizo Springs, engr.

Tex., Centerville—Leon Co. making plans grading, bridging and rein.-con. paving 45.5 mi. State Highway 43 from Freestone to Robertson Co. lines. $1,514,317. Nagle, Witt, Rollins & Gilchrist, Allen Bldg., Dallas, engrs.

Tex., Cold Springs — San Jacinto Co. making plans grading and bridging 7.621 mi. State Highway 35, 26 ft. $40,000. J. T. Ross, Cold Springs, engr.

Tex., Crockett — Houston Co. making plans grading and bridging 8.547 mi. State Highway 21, Federal Aid Project 499-A, Unit 1, 26 ft. $52,000. F. J. Von Zuben, Crockett, engr.

Tex., Crockett—Houston Co. made plans grading and bridging 9.222 mi. State Highway 19, Federal Aid Project 485, B, Unit 1, 26 ft. $40,000. F. J. Von Zuben, Ft. Worth, engr.

Tex., Hebbronville—Jim Hogg Co. making plans 1 in. rock asphalt on 10 in. caliche surfacing 4.28 mi. State Highway 12-A, 18 ft. $28,000. E. J. Foster, Hebronville, engr.

Tex., Houston—Harris Co. making plans grading, concrete paving and bridging 3.721 mi. State Highway 12 from Houston to West Junction. Howe & Wise, c/o A. J. Wise, Courthouse, engr.

Tex., Plainview—Hall Co. making plans grading, bridging and rein.-con. paving 27.35 mi. State Highway 28, $1,036,000; also grading, bridging, brick and concrete paving 37 mi. State Highway 9, $1,369,000, both 18 ft. J. W. Puckett, Plainview, engr.

Okla., Oklahoma City—Plans grading, curbing and sheet asphalt paving, etc. 8,700 sq.yd. West 21st St. $33,770. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 6,640 sq. yd. Stonewall St. $30,410. B. M. Hart, City Hall, engr.

Idaho—State Hy. Comn. rejected bids Oct. 5, crushed graveling, etc., 14,000 cu. yd. Project 21-C-32-D, Elmore and Gooding Counties. J. D. Wood, comr.

Idaho—State Hy. Comn., Boise, rejected bids Sept. 30, broken stone surfacing, etc. 5,765 cu.yd. Federal Aid Project 24-44, Twin Falls Co. $42,291. J. D. Wood, comr. Pub. Wks.

Wash., Seattle—Making plans paving 58 mi. various streets during 1928. $3,700,000. D. Evans, City Hall, engr.

California—State Hy. Dept., Sacramento, made estimates new roadway through Dison, eliminating 2 grade crossings, etc., Solano Co. $33,000-$54,000. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Arcadia—Plans curbing, walks, ornamental lighting system, oil macadam paving, etc., 1st Ave., etc. To exceed $25,000.

Calif., Los Angeles—City and Los Angeles Co. plan constructing Sepulveda Blvd. from San Fernando Valley through Santa Mountains to Sawtelle, incl. $300,000 tunnel. Total $1,564,191. City and Los Angeles Co. each pay $150,000 for tunnel. County pays $70,000 additional and City $125,000 towards remaining expense of roadway.

Ont., Chatham—Kent Co. Council plans concrete paving 5 mi. road from Blenheim to Charing Cross. $100,000. W. D. Colby, County Bldgs., engr.

Ont., Welland—Welland Co. plans concrete paving 2¾ mi. highway from Ridgeway to Crystal Beach. $60,000. W. W. Brookfield, County Bldgs., co. road supt.

Bids Desired

Mass. Boston — Oct. 25, by Dept. Pub. Wks., Boston, recut granite block paving Kneeland St., Ward 3, $28,000 bonds. J. H. Sullivan, Comr.

N. Y., Albany—Oct. 24, by Bd. Contr. & Supply, City Hall, improving and repaving Joetson Court, Broad, Erie and Magazine Sts., Homestead, Ryckman and Helderberg Aves.; concrete walks on McAlpin St.

N. Y., Brooklyn—Oct. 26, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading

Streets and Roads (Continued)

and bituminous macadam paving, etc. West 3rd St.; grading, curbing and flagging 15th Ave., East 46th, East 49th, and West 12th Sts.; grading East 95th St.; grading and sheet asphalt on concrete paving Avenue I, Troy, 12th, 15th, and 23rd Aves., East 9th, 37th, 51st, Elton, Maple, Sterling, West 11th, 72nd, 77th and 85th Sts.

N. Y., Buffalo — Oct. 25, at office Dept. Pub. Wks., J. J. Love, comr., Municipal Bldg., repaving Guilford St., Sweet, Prospect and Dunlop Aves.

N. Y., Lawrence—Nov. 10, by Bd. Village Trustees, Fire House, grading, sheet asphalt, warrenite, concrete or bituminous concrete paving 3.75 mi. various streets. C. F. Giraud and J. M. Welsch, Inc., 470 East Tremont Ave., New York City, civil and consult. engrs. Stillman & Van Siclen, Inc., 227 Front St., New York City, chemical and testing engrs.; adv. E. N.-R. Oct. 20.

N. Y., Long Island City — Oct. 24, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and sheet asphalt on concrete paving Queens Blvd., 85th Rd., Armand Pl., Millwood, 86th, 15th, Fosdick and 14th Aves., 125th, 89th, 108th, Singer (Lawrence), Sts.; grading Cypress Ave., Queens Boro.

Pa., Eagles Mere—Oct. 28, by F. Little, pres. Boro. Council, concrete paving 8,900 ft. Lakewood Dr., Jerome, Mary, LaPorte, and Pennsylvania Aves., 18 ft. $45,000. M. C. Krause, Medical Arts Bldg., Williamsport, engr.

Pa., Phila.—Oct. 24, by Dept. Pub. Wks., Bureau of Highways, asphalt paving (assessment work), etc. approximately 35,308 sq.yd. Benner, Large, Bingham, Bristol, Brous, Charles, Manheim, Montague and Queen Sts. G. H. Biles, dir.

Pa., Phila.—Oct. 24, by Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., granolithic sidewalks on 2,400 sq.yd. Broad St. between Tabor Rd. and Grange Ave., Broad St. Subway, Contr. 192.

Maryland—Oct. 25, by State Roads Comn., Baltimore, graveling 3 mi. Contr. AA-52, and 1.5 mi. Contr. AA-54, Anne Arundel Co., and 1.5 mi. Contr. Sm-41, St. Marys Co.; also concrete paving 0.2 mi. Contr. M-37, Montgomery Co. J. N. Mackall, chn.

Fla., Hollywood—Oct. 25, by City Clerk, curbing sidewalks and paving 70,000 sq.yd. various streets. F. J. Stewart, city engr.

Ala., Birmingham — Nov. 10, by City Comn., concrete paving 4 blocks 47th Pl. S., 30 ft. $17,300, and 3 blocks Ave. Y, Ensley, 40 ft. $17,850; 2 in. asphalt on 6 in. concrete paving 5 blocks Ave. N, Ensley, 50 ft. $23,250, 10 blocks 77th St. S., 40 ft. $56,900, and 4 blocks 10th Ave. S., 40 ft. $19,550; also 2½ in. asphalt on 6 in. concrete paving, etc., 2 blocks 2nd Ave. S., 40 ft. $27,070.

La., Baton Rouge—Nov. 2, by Police Jury Baton Rouge Parish, grading and 2 in. block top on 5 in. concrete paving 9,000 sq.yd. Weller Ave. R. Swart, Court House, engr.

Ohio—Oct. 28, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus; grading and paving, etc. with **(a)** concrete **(b)** bituminous macadam **(c)** 2½ in. brick, except brick **(d)** 3 in. brick except brick 5.321 mi. Sect. "S" Delphos-Upper Sandusky Rd., Alley Co. **(a)** $152,662 **(b)** $138,664, 5.467 mi. Sect. "C-2" 'Columbus-Lancaster Rd., Fairfield Co., **(a)** $174,994 **(c)** $172,217 **(d)** $175,183, 4.093 mi. Sect. "M" Steubenville-Cambridge Rd., Jefferson Co. **(a)** $185,804 **(b)** $189,798, 0.466 mi. Sect. "Woodville East" Bowling Green-Port Clinton Rd., Sandusky Co. **(a)** $15,811 **(b)** $13,481, and 5.158 mi. Sect. "J" Tiffin-Bellvue Rd., Seneca Co. **(a)** $161,482 **(b)** $145,819; also grading, etc. 2.872 mi. Sect. "B-2" Cambridge Steubenville Rd., Guernsey Co. $31,784, 3.793 mi. Sect. "D" Millersburg-Wooster Rd. $58,811, 3.44 mi. Sect. "C" Wooster-Canal Dover Rd. $37,122, and 3.835 mi. Sect. "J" Loudonville-Wooster Rd. $35,766, all foregoing in Wayne Co.

O., Willowick—Taking bids 97,000 sq.yd. stone or concrete walks Brookwood Beach Allotment. To exceed $25,000. Sterling Eng. Co., 7016 Euclid Ave., Cleveland engrs.

Michigan — Nov. 2, by G. D. Tramp, resident engr., Crystal Falls, grading 5.72 mi. Federal Aid Rd. FO52-10 C-1, Marquette Co., for State Hy. Dept., Lansing.

Michigan — Nov. 3, by H. G. Oakes, resident engr., Cadillac, two course graveling 5.755 mi. Trunk Line Rd. MO 45-11, Contr. 1, Leelanau Co., 18 ft., for State Hy. Dept., Lansing.

Mich., Pontiac—Oakland Co. taking new bids 8 in. concrete paving 70,400 sq.yd. Clawson Rd. Former bids rejected. L. V. Belknap, Pontiac, co. engr.

Illinois — Oct. 26, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete paving, etc., 2.65 mi. Route 1, Sect. 10-W and 1 span 30 ft. rein.-con. slab bridge on Route 1, Sect. 10-W-B, Will Co. F. T. Sheets, ch. engr.

Illinois — Oct. 26 (extended date), by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete paving, etc., 4.25 mi. Route 14, Sect. 11 and 4.5 mi. Route 14, Sect. 12, both White Co., 5.61 mi. Route 72, Sect. 128 DeKalb and Kane Counties, 4.97 mi. Route 81, Sect. 101 Henry Co., 7.13 mi. Route 116, Sect. 113, and 6.86 mi. Route 116, Sect. 114, both Livingston Co.; grading, paving, guttering, etc., 0.21 mi. bridge approaches on Route 18, Sect. 13-E, Kendall Co.; grading, etc., 1.26 mi. Route 10, Sect. 36-A, Vermilion Co., 0.3 mi. Route 13, Sect. 28-V-1, St. Clair Co., 4.53 mi. Route 81, Sect. 102-A, Henry Co., and 4.37 mi. Route 136, Sect. 102-A, Monroe Co. F. T. Sheets, ch. highway engr. Noted Oct. 13.

Nebraska—Oct. 28, by Dept. Pub. Wks., State House, Lincoln, graveling, etc. 11 mi. Fremont-Ceresco Project 27, Saunders Co., 7 mi. Pierce-Wausa Project 136-K, and 15.7 mi. Pierce-Wausa Project 268-A, Pierce Co.; also constructing two 21 ft. creosoted timber trestel span bridges on Niobrara Center Project 113-C, Knox Co.; 3 bridges on Schuyler-Pilger Project 261-B, Colfax Co. R. L. Cochran, state highway engr.

Tex., Galveston—Oct. 31, by City, c/o A. C. Kelly, secy., curbing, paving, etc. approximately 14,354 sq.yd. Avenues F and O. $40,000. C. A. Holt, Galveston, city engr. Noted Aug. 13.

Okla., El Reno—Oct. 24, by C. E. Bross, clk. Canadian Co., improving 20.3 mi. various roads, 96,200 cu.yd. earth and 1,100 cu.yd. rock excav., 27,200 cu.yd. borrow, 38,600 sq.yd. overhaul, 37.27 tons steel, etc. $65,000. Dwight Powell, El Reno, engr.

Okla., Frederick—Oct. 25, by B. Wright, city clk., grading, curbing and 6 in. concrete paving 9,100 sq.yd. streets in Dist. 22. $28,775. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Nevada — Oct. 26, by State Hy. Comn., Carson City, grading and crushed graveling 24,800 cu.yd. State Highway System, Lyon and Mineral Counties. S. C. Durkee, highway engr.

Washington—Nov. 1, by State Hy. Comn., Olympia, grading etc. 116,000 cu.yd. and constructing five 20 ft. to 70 ft. timber span bridges on State Rd. 5 between Hells Crossing and Union Creek, Yakima Co. S. J. Humes, Olympia, state highway engr.

Washington—Nov. 8, by State Hy. Comn., Olympia **(S.R. means State Road)**, grading, etc. 188,870 cu.yd. S.R. 6, Pen Oreille Co., 151,900 cu.yd. S.R. 13, Pacific and Grays Harbor Counties, and 49,350 cu.yd. Ilwaco-North Head Highway, Pacific Co.; also graveling, etc. 6,260 cu.yd. S.R. 1, King and Pierce Counties. S. J. Humes, state highway engr.

California—See "Bridges."

Calif., Berkeley — F. Turner, city clk., taking bids grading and concrete paving, etc. 18,000 sq.ft. Panoramic Way. A. J. Eddy, city engr.

Calif., Long Beach — J. O. Brison, city clk., taking bids curbing, guttering and concrete paving, etc. 19,800 sq.ft. Rose Ave. R. D. Van Alstine, city engr.

Calif., Lynwood—Taking bids curbing, walks, oil and rock surfacing, 6 in. concrete paving 43,250 sq.ft. 5 in. concrete paving 10,000 sq.ft., and 5 in. asphaltic concrete paving 3,500 sq.ft. Fir St. R. Miller, Smith Bldg., city engr.

Calif., Monterey Park — A. R. Langley, city clk., taking bids grading, curbing, walks and 3 in. Durite on 3 in. disintegrated paving 385,200 sq.ft. Mabel Ave., etc. O. A. Gierlich, Bank of Italy Bldg., Monrovia, engr. Noted Sept. 29.

Calif., Stockton—A. L. Banks, city clk., taking bids grading, curbing, guttering, walks and 1½ in. Willite on 3½ in. asphaltic concrete paving, etc., portions Weber Ave. W. B. Hogan, city engr.

Calif., Ventura—Nov. 1, Clerk Ventura Co., surfacing, etc. Telegraph Rd. east of Santa Paula, etc., 5,680 tons asphaltic concrete; also grading, etc. 15,000 cu.yd. Foothill Rd. C. Petit, co. surv.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 22,600 ft. highway in Bernardston, Gill and Northfield, 18 ft., to Carlo Bianchi & Co., Inc., Fitts Bldg., Framingham, $215,056. Noted Sept. 29.

New York—A. W. Brant, comr. Highways, Albany, **(e. e. means engineers estimate)**, concrete paving 1.91 mi. Repair Contr. 1666, Highway 1015, Crystal Springs-Chappaqua-Millwood Rd., Westchester Co., to J. Mascetti Co., 223 Oak Ave., Torrington, Conn., $92,735 e. e. $121,455; 2.34 mi. Repair Contr. 3190, Highway 250, Utica-Oneida Castle Rd., Part 1, Oneida Co., to Utica Constr. Co., Utica, $171,523 e. e. $244,219; 4.11 mi. Repair Contr. 1659, Highway 5299, Babylon Village Rd. and Highway 743 Babylon-Bayshore Rd., Suffolk Co., to Hogeboom & Canfield, Inc., Kingston, $315,948 e. e. $433,239; 12.37 mi. Highway 8291, Coram-Middle Island East Rd., Suffolk Co., to Conner Bros., Franklin Blvd., Long Beach, $514,421 e. e. $756,677. Grand total $1,094,627. Noted Oct. 13.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, etc. Catalpa Ave., to C. Kurth, 9519 126th St., Richmond Hill, $2,589; sidewalks, on Woodward St., to Kennedy & Smith, Bradford St., Flushing, $3,100; asphalt repaving Woodside Ave. and curbing and asphalt block repaving Skillman Ave., to W. P. MacDonald Constr. Co., Lawrence St., Flushing, $26,853 and $216,293 respectively. Grand total $248,835. Noted Sept. 15.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Welsh Bros., 35 Purvis St., grading and sidewalks on 74th St., $3,112, 58th Pl. $1,803, and 49th St. $3,432; to J. J. O'Brien, 8625 137th St., Jamaica, 137th St. $2,320, and Northern Blvd. $39,270; and to Kennedy-Smith, Inc., Bradford Ave., Flushing, 59th St. $3,750. Grand total $53,696. Noted Sept. 15.

N. J., Elizabeth—Union Co., grading and asphalt paving Raritan Rd. from Central to Madison Aves., to J. F. Burke, 309 Park Ave., Plainfield, $118,761.

N. J., Ridgefield—Bergen Co., Court House, Hackensack, concrete paving Bergen Turnpike between River Rd. and Hudson Co. line, to G. M. Brewster & Son, Fort Lee Rd., Bogota, $225,476.

N. J., Union—Twp. Com., paving Oswald Terrace to Decker & Canning, 395 Grove St., Newark, $28,265.

Maryland—State Roads Comn., Baltimore, concrete paving 0.06 mi. Contr. M-85, to Latimer & Maloney, 1910 Biltmore St., Wash., D. C. $7,920, and 1 mi. Contr. M-75, to T. Mullan, 3945 Greenmount Ave., Baltimore $30,000, both Montgomery Co., 0.3 mi. Contr. S-28, Somerset Co., to Hannemann-Burroughs Co., Salisbury $12,482, and 0.5 mi. Contr. P-79, Prince Georges Co., to Corson & Gruman Co., 33rd and K Sts., Wash., D. C., $14,393. Grand total $64,795. Noted Sept. 29.

Maryland—State Roads Comn., Baltimore, concrete paving 1 mi. Contr. C-59, Cecil Co., to J. K. Flick, Sudlersville, $25,682; 1.4 mi. Contr. M-82, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln, $33,080; and 1.33 mi. Contr. M-91, Montgomery Co., to H. H. Hershberger, 3723 Reistertown Rd., Baltimore, $29,339. Grand total $88,101. Noted Sept. 15 and 22.

N. C., Winston-Salem—Smithdeal Realty & Investment Co., general contract paving Country Club Estate, to Saunders & Co., Winston-Salem, $50,000.

Ga., Savannah — Concrete paving, etc. 51st St., to Dixon Contg. Co., 793 East St. Julian St., $23,799. Engrs. est. $25,000.

Alabama—State Hy. Comn., Montgomery, **(F.A.P. means Federal Aid Project)** improving roadway between Cooks Springs and Leeds, St. Clair and Jefferson Counties, to S. C. Taylor, Birmingham $145,429, 18.448 mi. roadway S-192, Covington Co., to R. S. Taylor, Birmingham, $106,625; roadway between Livingston and State Line, S-27, Sumter Co., and 14.95 mi. roadway between Tuscaloosa and Hale Co. line, F.A.P. 190, Tuscaloosa Co., to Morgan Hill, Woodward Bldg., Birmingham $135,803 and $105,840 respectively; roadway S-190, Morgan Co., to Kass Constr. Co., Des Moines, Ia. $40,817, roadway from Jefferson Co. line and Jasper, F.A.P. 126-24, Walker Co., to S. Finley 212 West North Ave., Atlanta, Ga. $155,243, 2.63 mi. roadway between Wilton and Biff Co. line, S-44-C, Shelby Co., to E. P. Toulmin, Toulminville, Mobile $42,902; 17.367 mi. roadway from Florence to Tennessee State line, F.A.P. 195, Lauderdale Co., to Newell Contg. Co., 3828 Ave. A, Birmingham $165,890; 10.676 mi. roadway between Orrville and F.A.P. 169-A, F.A.P. 169-B, Dallas Co., to McGuire Bros., Tupelo, Miss. $76,272, and 3.24 mi. roadway from Chattahoochee River to F.A.P. 170-A, F.A.P. 170-B, Houston Co., to M. A. Dees, Newton, $23,783; also gravel surfacing 11.32 mi. roadway from Montgomery to Lowndes Co. Line, F.A.P. 155, Montgomery Co., to W. J. Bryson, Montgomery, $22,750. Grand total $1,021,354. Noted Sept. 22.

Alabama—State Hy. Dept., Montgomery, concrete paving 2.44 mi. roadway from

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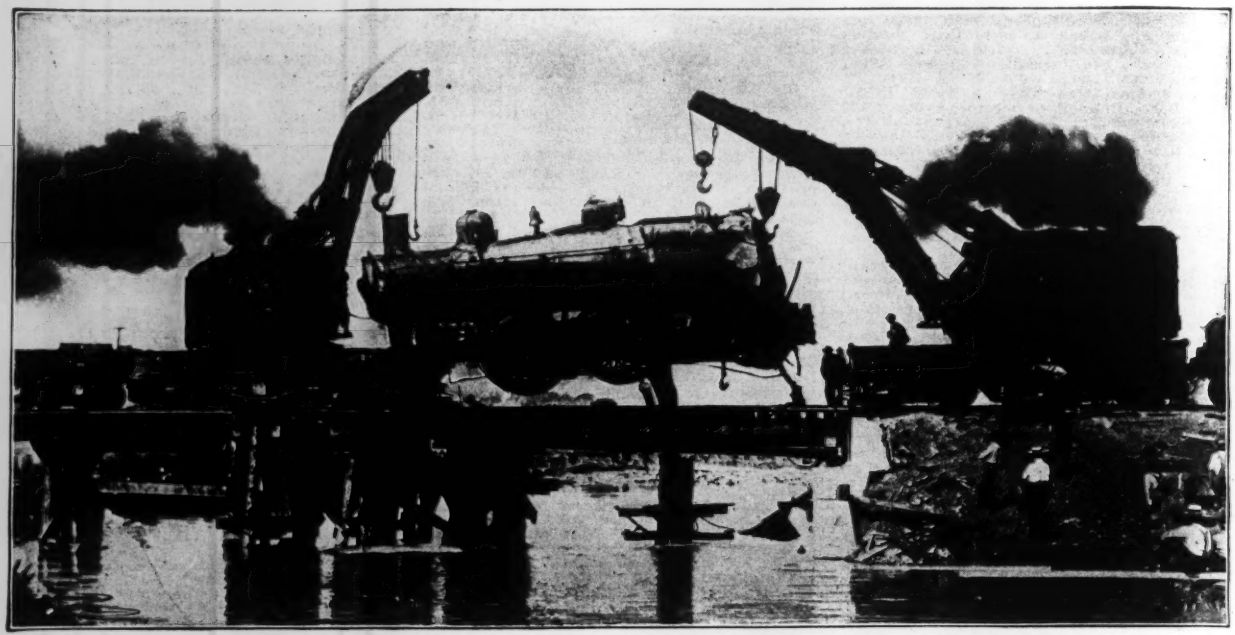
Industrial Brownhoist Cranes Set the Standard ~ ~ ~ ~ ~ ~ For Speed, Length of Service ~ ~ ~ And Economy ~ ~ ~



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INDUSTRIAL BROWNHOIST

Streets and Roads (Continued)

St. Deposit to Butler Co. line, Lowndes Co. to General Contg. Co., Stuart, Fla., $41,142; paving and graveling, etc., 9.913 mi. roadway between Bessemer and Tuscaloosa Co. line, Jefferson Co., to Coxt Bryson, Orlando, Fla. $51,679, and 18.09 mi. roadway between Tuscaloosa and Eutaw, Tuscaloosa Co. line, Green and Tuscaloosa Counties, to Nelson Bros., Clearwater, Fla., $258,434; gravel surfacing 17.5 mi. roadway between Brewton and Perdido Station, Escambia Co., to Chapman & Brown, Orlando, Fla. $39,829, and 17.865 mi. roadway between Belleville and Monroeville, Conecuh and Monroe Counties, to E. P. Toulmin, Toulminville, Mobile, Ala., $51,495. Grand total $442,579. Noted Sept. 15.

Ala., Birmingham — City Comn., (**e.e. means engrs. est.**) 6 in. concrete paving 1 block 2nd Court Alley and Ave. T., Ensley, 20 ft., to H. N. Ross, Valley Rd. Appts., $2,091 e.e. $3,000; 2 in. asphalt on 5 in. concrete paving 4 blocks 4th Court W., 30 ft., to H. N. Bowdry, Alabama Power Bldg., $22,502 e.e. $27,500; and 2 blocks 16th St. W. 40 ft., to H. N. Bowdry, Alabama Power Bldg., $11,043 e.e. $13,000. Noted June 2 and June 23.

La., West Monroe—Grading and granitoid paving 16.5 mi. various streets, to W. J. Horie, Euclid Ave., Jackson, Miss.

O., Cincinnati—Comrs. Hamilton Co., grading, guttering and concrete repaving, etc., 55,800 sq.yd. and asphalt macadam repaving, etc., 7,800 sq.yd. Cleves & Warsaw Rd., to Holmes Constr. Co., Central Parkway and Ann St., $369,239. Engrs. est. $406,344. Noted Sept. 15.

O., Columbus—W. H. Duffy, dir. Service, grading, curbing and paving, etc., 2,480 sq. yd. Ellsworth Ave., to A. W. Burns Constr. Co., 424 Woodland Ave., $15,069; also grading and asphalt paving, etc., 6,385 sq.ft. Wrexham Ave., to B. F. Patterson, 4476 North High St., $20,217. Noted Sept. 29.

O., East Liverpool—Concrete paving, etc. Harker Ave. between Sylvan and Central Aves., to G. B. Patterson, Wellsville, $25,-297. Engrs. est. $25,000.

O., Lyndhurst (br. Cleveland)—Paving, etc., Lynd Ave., to H. G. Herring, Wayside Rd., Cleveland, $29,082.

O., Parma (br. Cleveland)—Village, to Thorp Constr. Co., Hippodrome Bldg., Cleveland, 3 in. sheet asphalt paving, etc. Southampton Dr. (Sect. 1) $49,999, Southampton Dr. (Sect. 2) $35,735 and Pelham Dr. $92,869; to Baldwin Bros., 4500 Euclid Ave., Cleveland, 2½ in. Macite paving Hampstead Dr., $33,456. Grand total $212,059.

O., Salem—Bd. Control, asphalt resurfacing New Garden St., to Kelley & Meyer Co., South Side Bank Bldg., Youngstown, $25,-230. Engrs. est. $25,779. Noted Apr. 14.

O., Shaker Heights (br. Cleveland)—Oil asphalt paving, etc. 12 streets, to Highway Constr. Co., Guarantee Title Bldg., Cleveland, approximately $300,000.

Ind., Bloomington—Concrete paving 1,069 ft. various streets, 56 ft., to Bus Kirk & Dodds, North College Ave., $28,730; and 2,633 ft. various streets, 27 ft., to Kerr & Murphy, Indiana Ave., $31,961.

Ind., Brazil—Comrs. Clay Co., stone and gravel surfacing ¾ mi. Lawson Roall Rd., to D. Stigler, Brazil, $3,984; 2 mi. Douglass Rd., to F. D. Pigg, Jasonville, $13,248; and 4¼ mi. Tiefel Rd., to W. J. McGuire, Brazil, $48,233. Grand total $65,465. Noted Sept. 22.

Ind., Lebanon—Comrs. Boone Co., graveling Groves Rd., to E. S. Stansell, Advance $11,114, Cody Rd., to W. Calvert, Sheridan $6,018, Ogle Rd., to C. G. Howard, Sheridan $9,475, and Cavin Rd., to F. Long, Lebanon $10,690; also concrete paving McDaniel Rd., to Kornodle & Fulwider, Lebanon, $7,265. Grand total $44,562.

Ind., Marion—Grant Co., concrete paving New Linn Rd., to A. G. Brumfiel, Marion, $46,225.

Michigan—C. L. Cowgill, resident engr., Plymouth, concrete paving 4.743 mi. State Assessment Dist. Rd. 294, Oakland and Washtenaw Counties, 20 ft., to Meredith & McVaugh, 220 Horton Ave., Detroit, for State Hy. Dept., Lansing, $156,709. Noted Sept. 22.

Michigan — Wayne Co. (Detroit) and Macomb Co. (Mt. Clemens), grading and 8- 10-in. concrete paving 54,406 sq.yd. Eight Mile Rd. Assessment Dist. 471, to W. G. Tatti, 1337 Three Mile Dr., Detroit, $135,399.

Mich., Ann Arbor — Washtenaw Co., grading and 8 in. concrete paving approximately 2 mi. Huron River Dr., 20 ft., to Maurer Bros., Nashville, $53,354.

Mich., Detroit — Stone curbing and 3½ in. sheet asphalt on 8 in. concrete paving 42,600 sq.yd. Woodmont Rd. and 8 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $166,714.

Mich., South Lyon—Oakland Co. (Pontiac) and Washtenaw Co. (Ann Arbor), 9-7- 9-in. concrete paving 55,655 sq.yd. Eight Mile Rd., here, to Meredith & McVaughn, 220 Horton Ave., Detroit, $119,026.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving, etc. Route 110, Sect. 115, to Stocker Gravel & Constr. Co., Highland $40,108; Route 72, Sect. 114, Carroll and Ogle Counties, to W. O'Neil Sons Co., Fairbault, Minn. $211,295; Route 175, Sect. 104, Peoria Co., to Hartmann-Clark Bros. Co., 330 Peoria Life Bldg., Peoria $40,022; Route 88, Sect. 102, Whiteside Co., to Cameron, Joyce & Co., Keokuk, Ia. $156,109; Route 127, Sect. 112, Clinton Co., to Casey Constr. Co., Casey $102,424; Route 78, Sect. 135, Fulton Co., to Sutton & Moore, Canton $18,481; Soldiers and Widows Home Rd., Will Co., to Booth & Gilchrist, Gardner $19,756; and Route 121, Sects. 141, 142 and 143, Piatt, Moultrie and Douglas Counties, also bridge on Route 121, Sect. 141-B, Piatt and Moultrie Counties, to McMahan Constr. Co., Rochester, Ind. $378,000; graveling Route 72, Sect. 113-A, Carroll Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn. $31,528, and Route 4, Sect. F-1-G, Madison Co., to Edwardsville Constr. Co., Edwardsville $2,832; grading, Route 51, Sect. 102-A, Cook Co., to J. J. Dunnegan Constr. Co., Shenandoah, Ia. $92,227, Route 160, Sect. 134-A, Madison Co., to M. E. McGuire, 4012 College Ave., Indianapolis, Ind. $34,855, and Route 89, Sect. 115-A, Bureau Co. and Route 116, Sect. 102-A, Tazewell Co., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $32,779 and $35,766 respectively. Grand total $1,196,182. Noted Sept. 8.

Ill., Chicago—Cook Co. Highway Dept., 139 North Clark St., grading and paving 1.5 mi. Wolf Rd., to Pronger Bros., Blue Island, $244,300; 3.5 mi. Rexford Rd., to J. Macklin Co., Chicago Heights, $126,896; 2.6 mi. Main St., to Arcole Constr. Co., Evanston, $88,612; also 0.1 mi. Main St. and 0.5 mi. Harlem Ave., to Municipal Paving Co., Oak Park, $4,779 and $7,430 respectively. Grand total $472,017.

Ill., Niles Center—Curbing, guttering and rein.-con. paving 32,965 sq.yd. Lonnquist Ave., to Krenn & Dato, 926 North Michigan Ave., Chicago, $113,283. Noted Sept. 1.

Ill., Ridge Park—See "Sewers."

Ia., Albia—Monroe Co., grading, 6 in. concrete paving, etc., 89,646 sq.yd. U. H. Highway 34, to Wright Constr. Co., 1325 Main St., Des Moines, $270,627.

Ia., Emmetsburg — Palo Alto Co., to Brereton & Bauck, Emmetsburg, improving secondary roads, 7,750 cu.yd. gravel 1 mi. haul at $0.38 and $0.40 per cu.yd., 21,500 units overhaul $0.07, and 4,400 cu.yd. stripping $0.20.

Ia., Jefferson—Greene Co., to J. R. Paul, Jefferson, improving secondary roads, 1,200 cu.yd. gravel 1 mi. haul at $0.30 per cu.yd., and 18,400 cu.yd. overhaul $0.07; to J. A. Hobbs, Farlin, 1,800 cu.yd. gravel 1 mi. haul $0.33, and 8,200 units overhaul $0.08; to W. D. Ferguson, Dana, 2,000 cu.yd. gravel 1 mi. haul $0.32, and 10,000 units overhaul $0.07; to N. E. Hendricks, Scranton, 37,350 units 1 mi. haul $0.28 and $0.32, and 41,950 units overhaul $0.066 and $0.07.

Ia., Knoxville—Marion Co., grading 7.615 mi. Hamilton-Monroe Co. line Rd., to J. H. Miller & Son, Dumont, $51,008.

Ia., Primghar—O'Brien Co., grading, 6 in. concrete paving, etc. 189,401 sq.yd. Primary Project 545, to C. F. Lytle Constr. Co., 504 Nebraska St., Sioux City, $419,264.

Ia., Sigourney—Keokuk Co., to Natl. Constr. Co., 1315 South 20th St., Omaha, Neb., improving 11.096 mi. Primary Project 489, and 1.567 mi. Federal Aid Project 34, 27,494 cu.yd. excav. at $0.50 per cu.yd., and 133,636 sq.yd. concrete paving $2.32.

Ia., Toledo—Tama Co., grading 231,716 cu.yd. U. S. Highway 30, to G. W. Condon, 415 Farnum St., Omaha, Neb., $43,312.

Ia., Vinton—Benton Co., to Natl. Constr. Co., 1315 South 20th St., Omaha, Neb., improving 9.037 mi. Federal Aid Project 251-A, 16,900 cu.yd. excav. at $0.50 per cu.yd. and 95,763 sq.yd. concrete paving $2.34.

Ia., Vinton — Benton Co., to McCoy & Nelson, Nevada, improving secondary road system, 17,640 cu.yd. gravel 1 mi. haul at $0.26 and $0.34 per cu.yd., 224,000 units overhaul $0.065 and $0.08, and 9,000 cu.yd. stripping $0.20 and $0.24; to G. A. Sargent, Hamton, 13,140 cu.yd. gravel 1 mi. haul $0.38, 87,380 units overhaul $0.07, and 7,000 cu.yd. stripping $0.20.

Ia., Washington—Washington Co., grading and concrete paving, etc. 152,249 sq.yd. Primary Project 544-A, to Natl. Constr. Co., 1315 South 20th St., Omaha, Neb., at $2.32 per sq.yd.

Kan., Cottonwood Falls—Chase Co., to A. L. Cook, Ottawa, grading 8,452 mi. on US 50 S, Project 47-C, $64,984; to Wilson Constr. Co., Topeka, one 70 ft. steel truss and two 30 ft. I-beam span bridge, $13,-671; to Somers Constr. Co., three 8 ft. multiple box span bridge $3,725, and 20 ft. slab span bridge $7,156; to Nolan Constr. Co., Ponca City, Okla., one 90 ft. steel truss span bridge $11,716, three 20 ft. slab span bridge $6,389, also one 70 ft. steel truss and two 35 ft. I-beam span bridge $15,984. Grand total $123,625. Noted Sept. 1.

Kan., Girard—Crawford Co., grading 3.575 mi. Kansas Project 7 Sect. B, Federal Aid Project 372-B, also constructing two bridges near Kniveton, to Independent Constr. Co., Pittsburg. $25,437.

Kan., Linn—Grading, curbing, guttering and gravel surfacing 54,566 sq.yd. various streets, to Cook & Stucker, Ottawa, $35,-328. Noted Oct. 13.

Kan. Peabody — Curbing, guttering and asphaltic concrete resurfacing 17,200 sq.yd. Walnut, 1st and 2nd Sts., to J. W. Watts Constr. Co., Concordia.

Kan., Eureka — Clerk Greenwood Co., grading, etc. 6.609 mi. Project 71-A, 28 ft., to S. W. Poor, 927 Lincoln St., Topeka, $36,-343. Engrs. est. $37,966. Noted Sept. 15.

Kan., Pratt—Pratt Co., grading 8.938 mi. US 54, Project 91-B, to Somers Constr. Co., Newton, $45,903. Noted Sept. 22.

Kan., Salina—Clerk Saline Co., grading and constructing 12 bridges on 9,775 mi. US 40-S, Federal Project 101-D, to A. L. Cook, Ottawa, $46,419 and $29,844 respectively.

Mo., Clayton — Comrs. St. Louis Co., Court House, 7 in. rein.-con. paving, etc., 3,050 sq.yd. Project 466, Edmund Ave., and 4,320 sq.yd. Louise Ave., to J. F. McMahon, 719 Buder Bldg., St. Louis, $9,550 and $12,894 respectively; concrete paving, etc., Project 431-A, Greenway St., to Skrainka Constr. Co., Security Bldg., St. Louis, $8,477; and Arden Ave., to Rock Hill Quarry & Constr. Co., Title Guaranty Bldg., St. Louis, $4,576. Grand total $35,497.

Mo., Warrenton—Amiesite paving, etc., 20,800 yd. various streets, to Cameron & Joyce, Keokuk, Ia., $32,600. Noted June 16.

Tex., Houston — Paving 33,500 sq.yd. Navigation Blvd. and Wayside Dr., to San Jacinto Constr. Co., 1st Natl. Bank Bldg., $137,136.

Oklahoma—State Hy. Dept., Oklahoma City, curbing and rock asphalt paving 16,-200 sq.yd. State Road 3, to Western Paving Co., Tradesmens Bldg., Oklahoma City, $29,725. Engrs. est. $30,000.

Okla., Choctaw — Making preliminary plans grading and concrete paving 26,000 sq.yd. Nicholas Poultry farms. $75,000. C. Moreau, c/o G. A. Nichols, 115 North Harvey St., Oklahoma City, engr.

Okla., Muskogee — Vertical fibre brick surfacing 29,700 sq.yd. Okmulgee Ave., to Gravelle & Hamblin, Manhattan Bldg., $95,237, engrs. est. $100,000; and 15,300 sq.yd. South 24th St., to Ellis & Lewis, Muskogee, $55,400, engrs. est. $60,000.

Idaho — J. D. Wood, comr. State Hy. Comn., Boise, grading, crushed rock surfacing, etc., 10,200 cu.yd. Federal Aid Project 139-A Extension, Benewah Co., to S. Orin, 508 Realty Bldg., Spokane, Wash., $83,755.

Washington—State Hy. Comn., Olympia, grading, etc. 283,500 cu.yd. State Rd., 2, Federal Aid Project 114-D, Kittatis Co., to Interstate Constr. Co., 1713 22nd Ave. S., Seattle, $118,202.

Wash., Seattle—Bd. Pub. Wks., concrete sidewalks on West Eddy St. et al, to R. G. Stevenson, 1236 Northlake Ave., $35,391; and 7 in. concrete paving, etc., 41,265 sq.yd. Cloverdale St. et al, to Goetz & Brennan, Seaboard Bldg., $71,399.

Wash., Tacoma—Bd. Pub. Wks., paving McCarver and North 26th Sts., to S. A. Moceri, Inc., 924 23rd Ave., Seattle, $25,-472. Engrs. est. $34,548.

Oregon—State Hy. Comn., Salem, grading, etc., 83,000 cu.yd. Project 134-A, Wheeler Co., to F. L. Brown, Portland, $75,000; concrete bridge on Project 115-B, Clatsop Co., to Lindstrom & Feigenson, Worcester Bldg., Portland, $19,730, and bridge on Project 117-C, Lane Co., to E. R. Metzger, Roseburg, $17,395. Grand total $112,125.

Oregon—State Hy. Comn., Salem, grading, etc., 3.92 mi. Williamette Highway, Lane Co., 24 ft., to Baker & Schwarschmidt, Portland, $53,889.

California—State Hy. Dept., Sacramento, concrete and bituminous macadam paving, etc. approximately 9.7 mi. roadway between Pismo and San Luis Obispo, San Luis

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Streets and Roads (Continued)

Obispo Co., to J. F. Knapp, 620 East Washington St., Stockton; asphaltic concrete on concrete paving approximately 4.4 mi. roadway between Warm Springs Junction and Militas, Alameda and Santa Clara Counties, to Allied Contractors, Inc., 1803 Douglas St., Omaha, Neb.; grading and concrete paving 4.8 mi. roadway between Redlands and point ¼ mi. north of Riverside Co., San Bernardino Co., to Matich Bros., Elsinore; bituminous macadam on existing asphaltic concrete paving, etc., between Four Corners and Butte City, Glenn Co., to C. K. Buchanan, Chico; one 30 ft. and two 14 ft. span rein.-con. girder bridge over Wilson Creek approximately 2 mi. north Willows, same count to Germain & Nickles, Gerber; concrete retaining wall near Sea Cliff, Ventura Co., to Hall Bros., Ventura; also 11.8 mi. rock borders on both sides existing paving between Williams and Delevan Colusa Co., to Hemstreet & Bell, Marysville.

California—State Hy. Comn., Sacramento, asphaltic concrete on concrete paving 4.4 mi. roadway between Warm Springs and Milpitas, Alameda and Santa Clara Counties, to Allied Contractors, Inc., Omaha, Neb., $141,153; grading and concrete paving 4.8 mi. roadway between Redlands and Riverside Co. line, San Bernardino Co., to Mattich Bros., Elsinore, $153,410; also bituminous asphalt and concrete paving, etc. 9.7 mi. roadway between Pismo and San Luis Obispo, San Luis Obispo Co., to J. F. Knapp Stockton, $386,848. Grand total $681,411. Noted Sept. 8.

Calif., Antioch—Grading and hydrated concrete paving, etc, portions 3rd, 8th and 10th Sts., etc., to G. W. Cushing, 2005 Roosevelt Ave., Richmond, $25,530. Noted Sept. 29.

Calif., Beverly Hills—Grading and 2 in. asphaltic concrete on 5 in. concrete paving 115,890 sq.ft., and 6 in. concrete paving 91,331 sq.ft. Benedict Canyon Dr., to Curtis Paving Co., 2440 East 26th St., Los Angeles, $67,767. Noted Sept. 29.

Calif., Fullerton—F. C. Hezmalhalch, city clk., curbing, guttering, and 5 in. asphaltic concrete paving, etc. North Harvard Ave., etc., to Griffith Co., Railway Bldg., Los Angeles, $36,448. Noted Sept. 29.

Calif., Glendale—Grading, curbing and 5 in. asphaltic concrete paving, etc. 236,136 sq.ft. Verdugo Rd., etc., to C. U. Heuser, 816 Allen St., $71,863.

Calif., Glendale — A. J. Van Vle, city clk., 6- to 8-in. concrete paving, etc. 175,-550 sq.ft. Park and Glendale Aves., to E. L. Fleming, 221-A West Bway., $50,745. Noted Sept. 29.

Calif., Hawthorne—Asphaltic concrete resurfacing, etc., portion Ballona Ave., etc., to G. H. Oswald, 366 East 58th St., Los Angeles, $25,990.

Calif., Jackson — For 2½ in. asphaltic macadam paving, etc., Court St., etc., to Peres Bros., Richmond, at $0.0875 per sq.ft.

Calif., Long Beach — Grading, curbing, concrete paving, etc., 104,400 sq.ft. Nieto Ave., to D. P. Durham, 900 Raymond Ave., $27,596.

Calif., Los Angeles—Los Angeles Co., **(e.e. means engrs. est.)** improving 4,330 ft. Villa St., 80 ft., to J. E. Haddock, $38,983, e.e. $39,798; 14,960 ft. Dominguez St., 20 ft., to W. H. Gaff, 1921 Apex St., $88,093, e.e. $95,546; and 4,431 ft. Colorado St., 100 ft., to A. C. Nelson, Central Bldg., $26,463, e.e. $30,204. Grand total $153,539.

Calif., San Diego — Common Council, improving Goldfinch, Fairfield Sts., etc., to Pioneer Transfer Co., Calexico, $49,042. Noted Aug. 25.

Calif., San Diego—San Diego Co., grading and 8 x 5 x 8 in. concrete paving 68,-225 sq.ft. and 9 x 6 x 9 in. concrete paving 288,089 sq.ft. 54th St. and Euclid Ave., to Penick & Son, 3075 L St., $125,688. Noted Sept. 8.

Calif., Yuba City—C. C. Kline, city clk., grading and 4 in. asphaltic concrete paving, etc. A St. and Robinson Ave., etc., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $56,709. Noted Oct. 6.

B. C., Point Grey — Concrete curbing, guttering and warrenite bitulithic on rock paving various streets, to General Constr. Co., Ltd., 736 Granville St., Vancouver, $53,291.

Buildings—Commercial

Proposed Work

Mass., Boston—STORE and OFFICE—S. J. Lowe & E. N. Wyner, 1 State St., having plans prepared by R. H. Doane, 162

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Newbury St., 3 story and basement, brick, steel and stone, plain foundation, 221 Washington St. $150,000.

Mass., East Boston (sta. Boston)—THEATRE, STORE, OFFICE and HOTEL—New England Community Theatre, Inc., c/o W. J. Freethy, archt., 113 State St., Boston, having sketches made 6 story and basement, 110 x 150 ft. brick, stone and steel, plain foundation, Maverick Sq., here. $250,000.

Mass., Hyannis—STORE and OFFICE—J. H. Johnson, 97 Massachusetts Ave., having plans prepared by J. W. Beal Sons Co., 185 Devonshire St., Boston, 3 story and basement, 75 x 210 ft., brick and stone, plain foundation. $160,000.

Mass., Lynn—APARTMENT—T. Palmer, Beach Bluffs, Swampscott, having plans prepared by B. E. Porter, 73 Tremont St., Boston, 3 story and basement, 60 x 200 ft., brick and stone, plain foundation, Beach Rd. $150,000.

Mass., Northampton—HOME—H. Ludorf, archt., 418 Asylum St., Hartford, Conn., soon lets contract 2 story and basement, brick and stone, plain foundation, Pell and Strong Aves., for White Eagles Home Assn., c/o architect. $150,000.

Mass., Revere — AMUSEMENT HALL and STORE — Ridgeway Constr. Co., 11 Pemberton Sq., Boston, plans rebuilding 2 story ballroom, amusement hall and store, Revere Beach, recently destroyed by fire. $300,000. Engineer and architect not selected.

N. Y., New York—APARTMENT—A. A. Paterno, 2300 Bway., having plans prepared by R. Candela, 578 Madison Ave., 14 story and basement, 67 x 75 ft. rein.-con., brick and steel, plain foundation, 25 Sutton Pl. $500,000.

N. Y., New York — APARTMENT — J. Paterno, 60 West 115th St., having plans prepared by R. Candela, 578 Madison Ave., 14 story and basement, 67 x 75 ft., rein.-con., brick and steel, plain foundation, Sutton Pl. $500,000.

N. Y., White Plains—CENTER—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, indefinitely postponed taking bids for Westchester Co. Center Building, here, Contr. 125. J. Downer, Bronxville, ch. engr. Noted Sept. 29.

N. J., Annandale—REFORMATORY—State Building Comn., Court House, Trenton, having plans prepared by Guilbert & Bettelle, 20 Branford Pl., Newark, brick and steel, plain foundation, here. $150,000. Noted Sept. 15.

N. J., Bayonne—CITY HALL—City having preliminary plans prepared by P. A. Vivarttas, 110 48th St., Union City, 4 story and basement, brick and steel, plain foundation. $250,000.

N. J., Bayonne—FIRE HOUSES—Fire Dept., Municipal Bldg., will not construct three 1 story and basements brick and steel, plain foundations, 57th St., Ave. B, and Point Section. $150,000. Project abandoned. Noted June 16.

N. J., Bradley Beach — APARTMENT HOTEL—Hotel La Reine Corp., M. Sparks, dir., Ocean Ave., having plans prepared by L. Brooks, 65 Madison Ave., New York City, 6 story and basement, brick and steel, plain foundation, La Reine Ave. $500,000. Noted Sept. 15.

N. J., Hackensack—HALL of RECORDS—Bd. Freeholders Bergen Co., Court House, having preliminary plans prepared by C. V. Rogert, 167 Main St., 5 story and basement, brick and steel, plain foundation, on 100 x 200 ft. site, Hudson St. $200,000.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, c/o E. F. Hauser, archt., 11 Clinton St., Newark, having plans prepared 4 story and basement, brick and steel, plain foundation, 616 Lyons Ave., here. $150,000.

N. J., Jersey City — APARTMENT — Fairmount Building Corp., c/o M. Kraut, archt., 14 Journal Sq., having plans prepared 5 story and basement, 75 x 150 ft., brick and steel, plain foundation, 329-335 Fairmount Ave. $250,000.

N. J., Jersey City—GARAGE—A. Davis, archt., 140 Montgomery St., soon takes bids general contract 1 and 2 story and basement, 200 x 300 ft., brick and steel, plain foundation, Mill Rd. from Mercer to Wayne Sts., for H. Byrne, 392 Mercer St. $150,000. Noted Sept. 22.

N. J., Jersey City—HOSPITAL—C. H. Ziegler, archt., 75 Montgomery St., takes bids about Oct. 24, general contract 5 story and basement, 40 x 150 ft., brick and steel, plain foundation, 9th and Erie Sts., for St. Francis Hospital, East Hamilton Pl. $300,-000. Noted Aug. 4.

N. J., Jersey City—THEATRE—State Theatre Corp., 2852 Hudson Blvd., having plans prepared by P. A. Vivarttis, 110 48th St., Union City, 2 story and basement, brick and steel, plain foundation 283[illegible]8 Hudson Blvd. $200,000. Noted Sept. 1.

N. J., Newark — APARTMENTS — A. Sobine, c/o S. Cohen, archt., 134 Branford Pl., having plans prepared two 5 story and basement, brick and steel, plain foundation, 970-76 18th Ave. $200,000.

N. J., Newark — HOSPITAL — Presbyterian Hospital, 25 South 9th St., soon lets contract general contract 6 story and basement, brick and steel, plain foundation, 9th Ave. and 9th St. $500,000. Sutton, Sutton & Calkins, 402 Broad St., archts. Noted Sept. 1.

N. J., Nutley—APARTMENT—N. Maria, c/o J. B. Acocella, archt., 9 Clinton St., Newark, having plans prepared 4 story and basement, 75 x 100 ft., brick and steel, plain foundation, 343-49 Park Ave. $150,000.

N. J., Orange—APARTMENT—H. C. Cassini, c/o A. P. Nucciarone, archt., 206 Central Ave., having plans prepared 4 story and basement, brick and steel, plain foundation, 278-282 Central Ave. $150,000.

N. J., Passaic—APARTMENT—P. Bellet, 422 Lexington Ave., Clifton, having plans prepared by Preiskel & Skvarla, 591 Main Ave., Passaic, 5 story and basement, 50 x 150 ft., brick and steel, plain foundation, 265 Pennington Ave.

N. J., Plainfield—APARTMENT—Oxford Realty Co., 240 West Front St., will not construct 5 story and basement apartment, 8th St. $150,000. Project abandoned. Noted July 14.

N. J., Plainfield—Y.M.H.A., 433 West Front St., plans 3 story and basement, brick and steel, plain foundation, on 132 x 230 ft. site, Central Ave. and 7th St. $150,000. Engineer and architect not selected. Noted Mar. 17.

N. J., Summit—APARTMENT—Owner, c/o E. P. Bonnet, archt., 36 Spring St., Montclair, having sketches made 5 story and basement, brick and steel, plain foundation, here. $150,000.

N. J., Trenton—APARTMENT—Ardmore Realty Co. having plans prepared by L. S. Kaplan, Fitzcharles Bldg., 5 story, limestone and marble, Greenwood Ave. $175,000.

N. J., Union City — APARTMENT — Owner, c/o P. O. Simone & Co., Inc., archts., 100 Sip Ave., Jersey City, having plans prepared 5 story and basement, 50 x 100 ft., brick and steel, plain foundation, here. $150,000.

N. J., Ventnor City (br. Atlantic City)—CITY HALL—City having plans prepared by V. B. Smith, Guarantee Trust Bldg., Atlantic City, 2 story and basement, brick and steel, plain foundation, Cambridge and Atlantic Aves., here. $150,000.

N. J., West New York—APARTMENT—Owner, c/o C. Eicholz, archt., 960 Bergenline Ave., Union City, having plans prepared 5 story and basement, brick and steel, plain foundation, here. $150,000. Noted Sept. 29.

Pa., Graterford — PENITENTIARY — State Bd. Trustees, A. W. Fleischer, pres., 1428 South Penn Sq., Phila., having plans prepared by Zimmerman, Saxe & Zimmerman, 212 East Superior St., Chicago, Ill., and Day & Zimmerman, superv. archts., 1600 Walnut St., Phila., Eastern Penitentiary, Skippock Twp., Montgomery Co., here.

Pa., Phila.—OFFICE—Maxwell Building Corp., C. J. Maxwell, 1528 Walnut St., having plans prepared by S. M. Green & A. H. Lacella, 496 Bridge St., Springfield, Mass., 21 story and basement, 95 x 136 ft. rein.-con., brick and steel, plain foundation, 16th and Walnut Sts. $1,500,000.

Pa., Phila.—WAREHOUSE and OFFICE—R. Dippy, archt., 1601 Walnut St., soon lets contract 1 story and basement, 40 x 160 ft. and 40 x 103 ft., rein.-con. and brick, plain foundation, Swanson and Johnson Sts., for Thomas Bros. Co., 1526 Washington Ave.

Va., Richmond—APARTMENTS—Monroe Terrace Realty Co. having plans prepared by A. C. Bossom, 680 5th Ave., New York City, Prestwood Apartments, 12 story, 100 x 135 ft. $800,000. Weinberger & Weishoff, 247 Park Ave., New York City, engrs.

Ga., Canton—COURT HOUSE and JAIL—Cherokee Co., c/o R. O. Fincher, had plans prepared by A. T. Brown, Forsyth Bldg., Atlanta, 4 story and basement, 80 x 90 ft., brick and concrete court house and jail. $200,000.

La., Shreveport—AUDITORIUM—Jones, Roessle, Olschner & Weiner, archts., 218 Ardis Bldg., soon take bids 1 or 2 story, rein.-con., brick and stone, 2,500 seating capacity, for City, L. E. Thomas, mayor. $500,000. Noted June 30.

O., Dover—Y. M. C. A. soon lets contract 3 story and basement, 66 x 150 ft., brick, steel and concrete, incl. swimming pool.

Buildings—Commercial (Continued)

$150,000. C. J. Marr, archt., and J. W. Mathias, engr., both 137½ Bway., New Philadelphia.

O., Sidney—LODGE—Directors Masonic Assn. plan lodge. $150,000.

Ind., South Bend—OFFICE—Building & Loan Assn., F. M. Boone, treas., 216 West Washington St., having plans prepared 6 story and basement, 48 x 66 ft., rein.-con., brick and stone, 216-218 West Washington Ave. $150,000. Private plans.

Mich., Battle Creek—SERVICE—Battle Creek Sanitarium having plans prepared by M. J. Morehouse, 343 South Dearborn St., Chicago, Ill., 4 story and basement, 120 x 180 ft., rein.-con., brick and stone service building incl. kitchen, dining room, etc. $300,000.

Mich., Pontiac—APARTMENT—Pontiac Properties Co., C. H. Harrison, 22822 Woodward Ave., Ferndale, having plans prepared by A. F. Herman, 710 Owen Bldg., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation, East Blvd., here. $250,000

Ill., Alton—TEMPLE—Masonic Lodges, c/o S. Landau, chn., having preliminary plans prepared 3 story, rein.-con., brick and stone temple. Engineer and architect not selected.

Ill., Chicago—APARTMENT—Quinn & Christensen, archts., 360 North Michigan Ave., soon takes bids 17 story and basement, 50 x 125 ft., brick, 5520 Sheridan Rd., for Syndicate, c/o architects. $1,000,000.

Ill., Chicago — APARTMENT — C. E. Howland, 104 Bellevue Pl., having preliminary sketches made by Huszagh & Hill, 6 North Michigan Ave., 16 story and basement, 94 x 129 ft., 102-10 Bellevue Pl. $1,300,000.

Ill., Chicago—Berlin & Swern, archts., 19 South La Salle St., soon lets contract 10 and 12 story, 150 x 150 ft., X shaped, brick and stone, Dearborn and Oak Sts., for Y.W.C.A., 59 East Monroe St. $1,000,000. Noted Nov. 11.

Ill., Granite City—STORE, OFFICE and HOTEL—S. J. Doumas having preliminary plans prepared by Wademeyer & Nelson, 824 Wainwright Bldg., St. Louis, Mo., 3 story, basement and roof garden, 100 x 125 ft., rein.-con., brick, terra cotta and stone store, office and hotel. $250,000.

Ia., Waterloo — STORE — James Black Dry Goods Co., East 4th and Sycamore Sts., having plans prepared by J. S. Bartley, 901 Pioneer Natl. Bank Bldg., 8 story and basement, 70 x 99 ft., rein.-con., brick terra cotta or stone addition, plain foundation. $400,000. Noted Dec. 16.

Minn., Minneapolis — APARTMENT HOTEL — Anderson-Nelson Constr. Co., 2801 Park Ave., having plans prepared by News'rom-Lindquist, 810 Lumber Exch. Bldg., 8 story and basement, 204 x 260 ft., rein.-con. and brick apartment hotel, incl. basement garage with ramps, etc., 22nd St. and Pleasant Ave. $2,100,000.

Ark., Helena—THEATRE, LODGE and OFFICE—Reynolds Lodge 7, Knights of Pythias, C. H. Gotchell, chancellor commander, takes bids about Jan. 1, 5 story, 100 x 200 ft., rein.-con., brick and stone theatre, lodge and office building. $250,000. Engineer and architect not announced. Noted Oct. 6.

Tex., Greenville — COURTHOUSE and JAIL—Hunt Co., c/o N. E. Peak, co. judge, voted $400,000 bonds, 3 story and basement, rein.-con. and brick, plain foundation.

Okla., Cushing — HOTEL — Thompson Hotel Co. having preliminary plans prepared 7 story and basement, 75 x 140 ft., brick, plain foundation, 3rd St. $240,000. Engineer and architect not selected.

Wash., Hoquiam—THEATRE—E. Dolan having plans prepared 2 story and basement, 95 x 150 ft., concrete, stucco and terra cotta, 7th and J Sts. $150,000.

Wash., Seattle — FIRE HOUSE — Fire Dept. having plans prepared by F. Baker, city archt., Hoge Annex, 3 story and basement, 108 x 120 ft., 2nd St. S. and Main St. $210,000.

Calif., Hanford—HOTEL—E. M. Whilton, Hotel Tulare, Tulare, plans approximately 3 story, 125 x 150 ft., fireproof, Redington St., here. $200,000. Engineer and architect not selected.

Calif., Long Beach—APARTMENTS—Realty Development Trust Co., Laughlin Bldg., plans approximately 7 story and basement apartment. $250,000.

Calif., Los Angeles—APARTMENT—E. Small, 6912 Hollywood Ave., E. M. Asher, 112 North Serano St., and C. Rogers, 234C West Vernon St., had sketches made by Walker & Eisen, 117 Western Pacific Bldg., 12 story, rein.-con., Rossmore Ave. near Beverly Blvd. To exceed $150,000.

Calif., Los Angeles — OFFICE — Los Angeles Realty Bd. having preliminary plans prepared by J. J. Frauenfelder, Story Bldg., H. S. Johnson, Los Angeles Ry. Bldg., A. C. Martin, 2001 North Vine St., M. Meyer, 570 North Normandie St., and L. T. Mayo, Black Bldg., rein.-con., 1147 South Grand Ave. $150,000.

Calif., Los Angeles — STORE and OFFICE—F. R. Strong, Rives-Strong Bldg., T. B. Barnett, W. R. Wheat, 112 West 9th St., and E. Riggs, plan 6 story and basement store and office building, on 110 x 130 ft. site, Hollywood Blvd. between Wilcox and Cahuenga Aves. $500,000. Engineer and architect not selected.

Calif., Merced — THEATRE — Merced Theatre Co., c/o M. T. Jorgensen, archt., 742 Market St., San Francisco, having plans prepared 2 story, brick and concrete theatre, 1,500 seating capacity. $150,000.

Calif., Pasadena — AUDITORIUM—City plans auditorium. $1,000,000.

Calif., San Francisco—APARTMENT—T. I. Strand, 882 31st Ave., having preliminary plans prepared by R. R. Irvine & L. Ebbets, Call Bldg., 6 story and basement, rein.-con., Buchanan St. near Washington St. $150,000.

Calif., San Francisco—GARAGE and OFFICE—F. C. Morgan, et al, Hunter-Dulin Bldg., having plans prepared by Miller & Pflueger, 580 Market St., 33-40 story and basement, Sutter St. $4,750,000.

Calif., San Francisco — HOSPITAL — Lane Hospital, Clay and Webster Sts., having preliminary plans prepared by Bakewell & Brown, 251 Kearny St., hospital buildings, Clay and Webster Sts. $1,000,000.

Calif., San Francisco—HOTEL and OFFICE—Commercial Center Realty Co., 916 Kearny St., plans 8 story and basement, fireproof, Filbert St. and Grant Ave. $250,000.

Calif., Santa Barbara—HOTEL—A. L. Richmond and associates, Los Angeles, having plans prepared by G. S. Underwood, 1405 Hibernian Bldg., Los Angeles, 3 story, 210 x 433 ft., rein.-con., State St. $500,000.

Calif., Santa Monica—OFFICE—L. T. Mayo, et al, Black Bldg., having preliminary plans prepared by A. E. Harvey, Black Bldg., 6 story and basement, 7th St. and Wilshire Blvd. $150,000.

Calif., South Pasadena—CLUB HOUSE and THEATRE—South Pasadena Womens Club having plans prepared by Morgan, Walls & Clements, 1134 Van Nuys Bldg., Los Angeles, rein.-con., Marengo Ave. and Oak St. $200,000.

B. C., Vancouver—BANK and OFFICE—Royal Bank of Canada, 147 St. James St., Montreal, Que., C. E. Neill, genl. mgr., plans bank and office, Hastings and Granville Sts. $1,500,000-$2,000,000. Engineer and architect not announced.

Mexico, Matamoras — HOTEL — See "Unclassified."

Bids Desired

Conn., New Haven—LODGE and CLUB—Oct. 22, by Lodge of Elks, c/o S. E. Hoyt, 195 Church St., 6 story, brick and steel, Crown St. $300,000. A. W. Boylen, 30 Whitney Ave., archt. Noted Sept. 15.

N. Y., Brooklyn—OFFICE and STORE—Oct. 30, by B. H. Whinston, archt., 6 East 46th St., New York City, 1 and 3 story, office and store building, Adams and Willoughby Sts., here, for Silvers Lunch Stores, Inc., 510 West 53rd St., New York City. $250,000.

N. Y., Greenwood Lake—HOTEL—Bearfort Inn taking bids general contract 2 story and basement, 100 x 120 ft., brick and steel, plain foundation, here. $150,000. H. Robertson, 614 Central Ave., East Orange, N. J., archt.

N. Y., Jackson Heights (sta. Flushing)—APARTMENTS — Twenty Fourth Street Impvt. Co., c/o Schaffer Lake, 1457 Bway., New York City, taking bids 6 story and basement, brick and timber, 24th St. and Roosevelt Ave. $350,000. B. H. Whinston, 6 East 46th St., New York City, archt.

N. Y., West New Brighton — COURT HOUSE — Oct. 26, by G. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, general contract combined municipal and magistrates court building, here. Sibley & Fetherston, 101 Park Ave., New York City, archts. Noted Sept. 29.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Hackensack—MEDICAL—A. M. Bedell, archt., 21 North Broad St., Ridgewood, taking bids 4 story and basement, 50 x 80 ft., brick and steel, plain foundation, Anderson St., here, for Hackensack Medical Building Assn., 273 State St. $150,000.

N. J., Jersey City—BANK—J. T. Rowland, Jr., archt., 30 Journal Sq., taking bids general contract 1 story, mezzanine, and basement, 50 x 100 ft., brick and steel, plain foundation, Bergen and Harrison Aves., for Provident Institution for Savings, W. Robinson, vice pres., 239 Washington St. $150,000. Noted Sept. 8.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Paterson — APARTMENT — See "Contracts Awarded."

N. J., Paterson—STORE and OFFICE—Oct. 21, by J. Holt, archt., 132 Market St., general contract 5 story and basement, 75 x 100 ft., brick and steel, plain foundation, Hamilton Ave., for Lee Hamilton Building Corp., c/o architect. $300,000.

N. J., Ridgefield Park — GARAGE — M. Zimmerman, 376 Main St., taking bids (selected list of bidders) general contract 2 story and basement, 75 x 200 ft., brick and steel, plain foundation, Spruce St. $150,000. F. Meisler, 163 Main St., Hackenhack, archt. Noted Sept. 29.

Pa., Elizabethtown — HOSPITAL — Oct. 25, by Dept. Pub. Health, T. B. Appel, secy., Capitol, Harrisburg, Unit 3 Crippled Childrens Hospital, 2 wings, each 2½ story, 17 x 51 ft., rein.-con. and brick, plain foundations, here. Thomas, Martin & Kirkpatrick, 220 South 16th St., Phila., archts.

Md., Baltimore—OFFICE—Oct. 26, by Wyatt & Nolting, archts., Keyser Bldg., 5 story top addition, and 12 story, 40 x 42 ft. brick and limestone addition, Calvert and Redwood Sts., for U. S. Fidelity & Guaranty Co., Calvert and Redwood Sts. $450,000. Noted July 28.

Miss., Pass Christian — HOTEL — See "Contracts Awarded."

O., Akron — HOSPITAL — City taking bids and open same about Oct. 28, 8 story and basement, 46 x 180 ft., brick, steel and concrete hospital. $600,000. Good & Wagner, Mohawk Bldg., archt. A. G. Simon, Hippodrome Bldg., Cleveland, structural engr. Noted Feb. 3.

O., Cincinnati—HOSPITAL—Nov. 1, by Comrs. Hamilton Co., 5 story and basement, 50 x 148 ft., brick and rein.-con., plain foundation, Gurley Rd. $250,000. G. Drach, 1701 Union Trust Bldg., archt.

O., Cleveland—CLUB HOUSE—Chagrin Valley Country Club, c/o H. D. Sims, pres., B. F. Keith Bldg., taking bids 1 and 2 story, 149 x 192 ft., brick, steel and concrete, North Miles Rd. $150,000. Maier & Walsh, 7016 Euclid Ave., archts.

Mich., Detroit — APARTMENT — See "Contracts Awarded."

Mich., Flint—HOTEL—Wright & Nice, archts., South Saginaw St., taking bids and open same about Oct. 28, 6 story and basement, rein.-con., brick and stone, plain foundation, for United Hotel Co., Durrant Hotel. $300,000.

Ill., Chicago—APARTMENT—S. Monson, 8207 St. Lawrence Ave., taking bids 3 story and basement, 117 x 124 ft., brick and stone, Essex Ave. and 77th St. $250,000. T. R. Bishop & Son, 35 South Dearborn St., archt.

Ill., Chicago — APARTMENT — R. F. France & Co., archts., 155 North Clark St., taking bids and opens same about Oct. 24, 13 story and basement, 60 x 135 ft., rein.-con. brick and terra cotta, 5820 Kenmore Ave., for Syndicate, c/o architects. $600,000. Noted Sept. 22.

Okla., Tulsa—OFFICE—Oct. 24, by L. C. Retts, secy. Oklahoma Natural Gas Co., 117 West 4th St., 10 story and basement, 47 x 140 ft., rein.-con. and brick, plain foundation. A. M. Atkinson, Mid-Continent Bldg., archt.

Calif., Berkeley—HOTEL—W. H. Weeks, archt., 369 Pine St., San Francisco, taking bids 6 story and basement, rein.-con., Durant Ave., here, for Berkeley Hotel Corp., c/o architect. $450,000.

Calif., Los Angeles—THEATRE—P. N. Snyder, c/o Balch Bros., archts., Film Exch. Bldg., taking bids 2 story, 80 x 150 ft., rein.-con., 1,600 seating capacity, Whittier and Atlantic Blvds. $150,000.

Contracts Awarded

Mass., Boston—HOSPITAL—City, Hospital Dept., 7 story and basement, brick and limestone, quarters for house officers and interns, plain foundation, Harrison Ave., to J. A. Singarella, 110 High St., $393,600.

Mass., Long Island (br. Boston)—DORMITORY — City of Boston, Institution Dept., City Hall, 4 story and basement men's dormitory, rein.-con. and brick, plain foundation, Long Island Hospital, here, to F. Imhoff, 164 Dudley St., Roxbury, $425,000. Noted Oct. 29.

N. Y., Amsterdam—BANK and OFFICE—First Natl. Bank of Amsterdam, 7 story, 60 x 90 ft., rein.-con., brick and stone, concrete pile foundation, to J. J. Turner & Sons, Edward St. Archts. est. $300,000. Noted June 30.

N. Y., New York — LOFT — Three Hundred Five East 47th St. Corp., c/o F.

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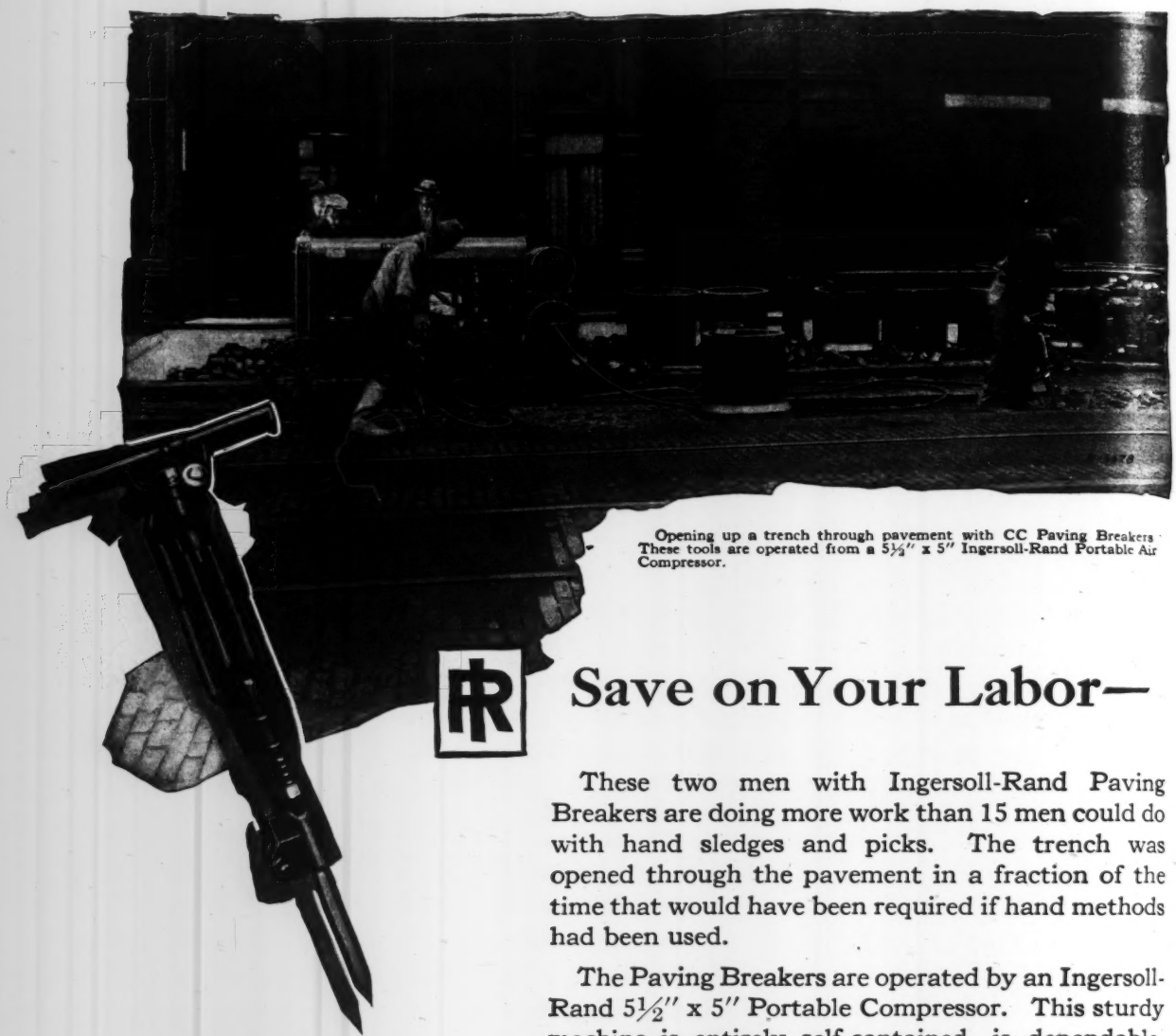

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Buildings—Commercial (Continued)

Parker, archt., 280 Madison Ave., 12 story and basement, 75 x 100 ft., brick and steel, plain foundation, 305 East 47th St., to Fisher-Williams Co., 103 Park Ave. Archts. est. $400,000.

N. J., Bloomfield—CITY HALL—City, Bloomfield Ave., general contract 3 story and basement, brick and steel, plain foundation, Franklin St., to D. J. Cronin, 713 South Orange Ave., Newark, $278,500. Noted Sept. 8.

N. J., Clifton (Ind. br. Passaic)—BANK and OFFICE—Clifton Natl. Bank, Main Ave., general contract 2 story, basement, and mezzanine, 45 x 100 ft., and 45 x 85 ft., brick and steel, plain foundation, Main Ave., to Wigton-Abbott Corp., 522 North 23rd St., New York City. Archts. est. $150,000.

N. J., East Orange—APARTMENT—Glenwood Apartment Co., c/o N. Gornitzke, 137 North 9th St., Newark, will build 4 story and basement, brick and steel, plain foundation, 210 Glenwood Ave. $200,000. Work will be done by separate contracts. R. Botelli, 45 Branford Pl., Newark, archt. Noted Sept. 29.

N. J., Elizabeth—HOSPITAL—L. V. Pohlman, archt., 80 Broad St., general contract 5 story and basement, 60 x 117 ft., brick and steel, plain foundation, 7th and East Jersey Sts., to W. Dana Bigelow, Inc., 10 East 43rd St., New York City, for Alexian Bros. Hospital, 7th and East Jersey Sts. $300,000. Noted Aug. 4.

N. J., Newark—APARTMENT—Victory Building Corp., 20 Branford Pl., will build 4 story and basement, 80 x 130 ft., brick and steel, plain foundation, 538 Summer Ave. $250,000. Work will be done by separate contracts. H. Rosensohn, 188 Market St., archt.

N. J., Newark—APARTMENT—Schwartz & Cohen, c/o R. Botelli, archt., 45 Branford Pl., will build 5 story and basement, 75 x 140 ft., brick and steel, plain foundation, 244 Roseville Ave. $150,000. Work will be done by separate contracts. Noted Oct. 6.

N. J., Newark — APARTMENT — A. Sobine, c/o S. Cohen, archt., 134 Branford Pl., will build 5 story and basement, 75 x 100 ft., brick and steel, plain foundation, 970-6 18th Ave. $200,000. Work will be done by separate contracts.

N. J., Newark—APARTMENTS—G. and K. Realty Co., c/o A. J. Silberstein, archt., 60 Park Pl., will build six 3 story and basement, brick and timber, plain foundation, 339, 361, 360, 328, 321 and 329 Keer Ave. $200,000. Work will be done by separate contracts.

N. J., Paterson—APARTMENT—East Side Realty Co., c/o W. F. Glasser & Co., 126 Market St., will build 5 story and basement, 75 x 100 ft., brick and steel, plain foundation, 33rd St. $500,000. Work will be done by separate contracts. A. Haenecken, 126 Market St., archt.

N. J., Plainfield—MASONIC CLUB—F. B. and A. Ware, archts., 1170 Bway., New York City, general contract 5 story and basement, 110 x 125 ft., brick and steel, plain foundation, 621 Park Ave., to Wigton-Abbott, 522 West 23rd St., New York City, for Masonic Realty Assn., 127 Watchung Ave. Archts. est. $325,000. Noted Sept. 22.

Pa., Pittsburgh—HOSPITAL—Tuberculosis League of Pittsburgh, 2851 Bedford St., general contract 6 story and basement, irregular shaped, brick and steel infirmary hospital, to Mellon Stuart Co., Oliver Bldg. Archts. est. $500,000.

Ga., Atlanta—OFFICE—Crum & Foster, Inc., 170 Spring St., 3 story, 35,000 sq.ft. floor space, brick and stone office building to Carr Constr. Co., Candler Bldg., $200,000. Noted Jan. 13.

Ont., Toronto—HOTEL—Canadian Pacific Ry., H. O., Windsor Sta., Montreal, Que., general contract 28 story and basement, 1,000 room, brick, steel and stone, Front St., here, to Anglin Norcross Ltd., Temple Bldg.; wrecking existing structures, to Frankel Bros., Eastern St. and excavation to Dufferin Constr. Co., foot of Bathurst St. Archts. total est. $10,000,000. Noted April 7.

Ala., Birmingham — OFFICE — Warren, Knight & Davis, archts., Empire Bldg., 16 story, 55 x 100 ft., brick, terra cotta, granite and steel, 20th St., to C. M. Allen & Son, 408½ North 19th St., for T. H. Watts, Jr., and mother. $1,000,000.

Miss., Pass Christian — HOTEL — A. Lichentag, 5422 Willow St., New Orleans, La., will build 2 story, 90 x 270 ft., reinforced, hollow tile and stucco hotel, here. $250,000. Work will be done by separate contracts. Private plans.

Ky., Newport—BANK—Newport Natl. Bank, 5th and York Sts., 3 story and basement, rein.-con. and brick, plain foundation, 8th and Monmouth Sts., to Lehigh Constr. Co., 1021 Monmouth St. $150,000. Noted June 2.

O., Cleveland Heights (Warrensville P. O.)—COMMERCIAL and APARTMENT—B. D. Roseman, pres. Midland Mortgage Co., Society for Savings Bldg., Cleveland, 3 story and basement, 60 x 140 ft., brick, here, to M. Berkoff, 3346 Washington Blvd. Archts. est. $150,000.

Ind., Hammond — STORE — Kaufman & Wolf, general contract Lion Store, 110 x 185 x 293 ft., rein.-con., brick and stone, Hohman St., to H. B. Olney Co., East Chicago. Archts. est. $1,250,000.

Ind., Indianapolis — APARTMENT — Constr. Realty Co., 1017 East 19th St., general contract 7 story and basement, 60 x 81 x 169 ft., rein.-con. and brick, 3727 North Meridian St., to T. A. Moynahan Co., 710 Union Title Bldg. Archts. est. $205,000.

Mich., Detroit — APARTMENT — H. Dunitz, 336 Dime Bank Bldg., will build 4 story and basement, 90 x 150 ft., brick and steel, plain foundation, Highland Ave., by day labor. $175,000.

Ill., Decatur — TEMPLE — Holabird & Roche, archts., 104 South Michigan Ave., Chicago, general and pipe trades contract 4 story, 101 x 191 ft., brick and stone, West Williams and North Church Sts., here, to J. L. Simons & Co., 549 West Washington Blvd., Chicago, and Bloomington, for Masonic Temple Assn. Noted July 21.

Wis., Milwaukee — PUBLIC SAFETY — Dept. Pub. Wks., R. E. Stoelting, comr., excavation, foundation, rein.-con., brick masonry, lath and tile work, elevators, etc., for 6 story and basement, 135 x 235 ft., brick and steel, 8th, 9th, State and Cedar Sts., to Bentley Bros., 808 South Pierce St., $644,630; composition roofing, etc., to Uihlein & Ortmann Electric Co., 160 Ogden Ave., $71,989; furnishing cut stone, to Andres Stone & Marble Co., Keefe and Richard Sts., $108,400; structural steel, bronze work, etc., to Siesel Co., 160 Ogden Ave., $241,000; plumbing, to Wensel & Henoch, 498 27th St., $75,942; and heating, ventilation, etc., to Zuchlke-Stoehn Heating Co., 1707 Clyburn St., $81,290. Grand total $1,223,251. Noted Aug. 25.

Minn., Minneapolis — CLUB HOUSE — Calhoun Beach Holding Co., E. R. Buell, secy., Lincoln Natl. Bank Bldg., general contract 8 story and basement, 127 x 231 ft., rein.-con., brick and stone, Dean Blvd. and West Lake St., to Fleischer Eng. & Constr. Co., 407 Loeb Arcade Bldg. Archts. est. $1,320,000.

Neb., Kimball—COURT HOUSE—Kimball Co., D. T. Heynen, clk., 3 story and basement, 69 x 100 ft., rein.-con., brick and steel, here, to Wallace Knutzen & Son, Kearney. Archts. est. $175,000. Noted Sept. 22.

S. D., Watertown — COURT HOUSE — R. H. Stein, aud. Codington Co., general contract 2 and 3 story and basement, rein.-con., brick and stone court house, to Gray Constr. Co., Watertown. Archts. est. $300,000. Noted Sept. 22.

Mo., St. Louis — COMMERCIAL — Argerter & Bailey, archts., 1904 Ry. Exch. Bldg., 4 story and basement, 25 x 104 ft., rein.-con. and brick, Pine St. near 11th St., to Murch Bros. Constr. Co., Ry. Exch. Bldg., for A. H. Eilers, 4950 Warwick St. Noted Sept. 29.

Tex., Ft. Worth—APARTMENT—A. M. Pancost and Churchill-Humphreys Co., 207 Magnolia Bldg., Dallas, 12 story and basement, stone, steel and rein.-con., Forest Park Blvd., to Churchill-Humphrey Co., 207 Magnolia Bldg., Dallas, $400,000.

Okla., Chickasha — OFFICE — Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, 3 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, here, to Cowen Bros., Shawnee, $153,000. Noted Feb. 24.

Okla., Oklahoma City — HOSPITAL — State Bd. of Affairs, c/o G. C. Wollard, 4 story and basement crippled children hospital, rein.-con. and brick, plain foundation, to Campbell & Price, 603½ West Main St. $298,552.

Okla., Tulsa — HOSPITAL — Junior League Assn., Cincinatti St., part 2 story and basement, 125 x 125 ft. with two 20 x 40 ft. wings, rein.-con., brick and steel, South Lewis Sts., to G. D. Morrow & Son, Kennedy Bldg., $150,000.

Calif., Decoto — DORMITORY — Bd. Trustees Masonic Homes, general contract two 4 story buildings, to R. W. Littlefield, 357 12th St., Oakland, $130,942. Noted Sept. 22.

Calif., Los Angeles—GARAGE—A. T. Pelton, 6001 Santa Monica Blvd., 6 story, 100 x 125 ft., rein.-con., 8th and Normandie Sts., to C. L. Peck, H. W. Hellman Bldg., approximately $200,000. Noted June 16.

Calif., Los Angeles—HOTEL—Western Income Properties, 1013 North Sycamore Ave., will build 6 story and part basement, 66 x 80 ft., rein.-con., Hudson Ave. north of Hollywood Blvd. $150,000. H. A. Lincoln, 247 North Western Ave., archt. M. Falk, Washington Bldg., engr.

Calif., San Francisco—APARTMENT—A. Hansen, c/o Clausen & Amandes, archts., Hearst Bldg., 4 story and basement, brick and concrete, Liberty and Sanchez Sts., to E. V. Lacey, Hearst Bldg., approximately $150,000.

Calif., Santa Ana—STORE and OFFICE—W. R. Moore, 1 and 2 story, 65 x 125 ft., brick and concrete, Bush and 4th Sts., to W. Rohrbacker, Santa Ana, approximately $150,000. Noted Feb. 10.

Buildings—Industrial

Proposed Work

Mass., Cambridge (br. Boston)—FACTORY—Owner, c/o H. L. Kennedy, archt., 80 Boylston St., Boston, having plans prepared 2 story, 50 x 130 ft., rein.-con., brick and steel, plain foundation here. $40,000.

Mass., Framingham—RUBBER PLANT—Archer Strauss Rubber Co., Herbert St., soon lets contract 1 and 2 story, 160 x 225 ft., rein.-con., brick and steel, Herbert St. $100,000. I. Richmond, 248 Boylston St., Boston, archt.

R. I., Woonsocket—PLUSH PLANT—Rhode Island Plush Mills, 1112 River St., soon lets contract 2 story, 45 x 150 ft., rein.-con. and brick addition, plain foundation, River St. $60,000. Lockwood Greene & Co., 24 Federal St., Boston, Mass., archts.

N. J., Jersey City—WAREHOUSE—A. Davis, archt., 140 Montgomery St., soon takes bids 1 story, 80 x 180 ft., rein.-con., brick and steel, plain foundation, 163-93 Henderson St., for Natl. Asbestos Mfg. Co., 163 Henderson St. $80,000.

Pa., Allentown — OXYGEN PLANT — Linde Air Products Co. (subsidiary Union Carbon & Carbide Co., 30 East 42nd St., New York City), having plans prepared oxygen plant, here. $150,000. Eng. Dept. Union Carbon & Carbide Co., 30 East 42nd St., New York City, engrs.

Pa., Erie—OXYGEN PLANT—Linde Air Products Co. (subsidiary Union Carbon & Carbide Co., 30 East 42nd St., New York City), having plans prepared and soon takes bids oxygen plant, here. $150,000. Eng. Dept. Union Carbon & Carbide Co., 30 East 42nd St., New York City, engrs.

Pa., Haverford—ENGINEERING LABORATORY—Haverford College, W. W. Comfort, pres., having plans prepared by Mellor, Meigs & Howe, 205 South Juniper St., Phila., 3 story engineering laboratory. $100,000.

Pa., Phila.—COLD STORAGE—Pennsylvania R.R. Co., Broad St. Sta., having plans prepared by W. H. Cookman, Broad St. Sta., Unit C, 110 x 800 ft., cold storage plant, rein.-con. and brick, Oregon and Delaware Aves. Day & Zimmerman, 1600 Walnut St., engrs.

W. Va., Charleston — PLANT — Union Carbon & Carbide Co., 30 East 42nd St., New York City, having plans prepared plant addition, here. $500,000. Eng. Dept. Owner, engrs.

W. Va., Hastings—CHEMICAL PLANT—Union Carbon & Carbide Co., 30 East 42nd St., New York City, having plans prepared chemical plant, here. $1,000,000. Eng. Dept. Owner, engrs.

Fla., Tampa—OXYGEN PLANT—Linde Air Products Co. (subsidiary Union Carbon & Carbide Co., 30 East 42nd St., New York City), having plans prepared oxygen plant, here. $150,000. Eng. Dept. Union Carbon & Carbide Co., 30 East 42nd St., New York City, engrs.

O., Cleveland—COLD STORAGE—City Ice & Fuel Co., E. C. Balzhiser, 6611 Euclid Ave., had plans prepared by Ball Ice Machine Co., archts. and engrs., 126 Chouto St., St. Louis, Mo., 6 story and basement, 120 x 200 ft., brick and rein.-con., Burwell Ave. $500,000.

O., Cleveland—FACTORY—Angell Nail & Chaplet Co., 2657 East 79th St., had plans prepared 1 story, 90 x 340 ft., brick and steel, 2657 East 79th St. $125,000. Private plans.

O., Dayton—FACTORY—U. S. Corrugated Fiber Box Co., 1315 Martindale St., Indianapolis, Ind., having plans prepared by A. C. Bacon, Indianapolis, Ind., 3 story and basement, 100 x 350 ft., brick and concrete, along Baltimore & Ohio R.R. tracks, here. $275,000.

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Buildings—Industrial (Continued)

Mich., Battle Creek—BOX FACTORY—Michigan Carton Co., 79 Fountain St., having plans prepared by M. J. Morehouse, 343 South Dearborn St., Chicago, Ill., 2 story, rein.-con. and brick, plain foundation, Fountain St. $75,000.

Mich., Grand Rapids—OXYGEN PLANT—Linde Air Products Co. (subsidiary Union Carbon & Carbide Co., 30 East 42nd St., New York City), having plans prepared oxygen plant, here. $150,000. Eng. Dept. Union Carbon & Carbide Co., 30 East 42nd St New York City, engrs.

Mich., Pontiac—AUTO FACTORY—Oakland Motor Car Co. had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 and 2 story, 540 x 640 ft., and 108 x 750 ft., rein.-con., brick and steel, plain foundation, Oakland Ave. $2,000,000.

Ill., Chicago—FACTORY and FOUNDRY, etc.—Advance Pattern & Fdry. Co., 2734 West 36th St., having plans prepared by A. A. Wickland & Co., 5 South Wabash Ave., 1 and 2 story 125 x 600 ft., 36th Pl. and California Ave. $125,000.

Ill., Chicago — MACHINE SHOP — A. Epstein, archt., 2000 West Pershing Rd., preparing plans and soon takes bids 1 story, brick 3531-45 West 47th St., for Sherman Klove Co., 4640 West Harrison St. $85,000.

Kan., Kansas City—PACKING PLANT—Armour & Co. plans rebuilding 4 story, brick packing plant, recently destroyed by fire. $300,000.

Kan., Wichita — OXYGEN PLANT — Linde Air Products Co. (subsidiary Union Carbon & Carbide Co., 30 East 42nd St., New York City, having plans prepared and soon takes bids oxygen plant, here. $150,000. Eng. Dept. Union Carbon & Carbide Co., 30 East 42nd St., New York City, engrs.

Tex., Corpus Christi — COMPRESS — Aransas Compress Co., c/o J. K. Cain, pres., having plans prepared brick, concrete and tile compress, approximately 372,000 sq.ft. floor space. $250,000. Private plans. Noted June 2.

Tex., El Paso—CREAMERY—El Paso Cotton Mill Co., c/o A. P. Coles, pres., plans creamery building. $200,000.

Tex., Harlingen — BRICK and TILE PLANT—Universal Face Brick & Art Tile Co. plans face brick, art and concrete tile plant. $60,000. Private plans.

Tex., San Antonio—OIL REFINERY—Humble Oil & Refining Co., Humble Oil Co. Bldg., Houston, plans oil refinery on Frio City Rd., here. $3,000,000. Noted Aug. 11.

Tex., Weslaco — PACKING PLANT — Texas Citrus Fruit Growers Assn., c/o J. Sharry, Mission, purchased site and plans 1 story, brick and concrete plant, here. $75,000. Private plans.

Ore., Portland—KNITTING MILL—Jantzen Knitting Mills Corp., 695 Sandy St., plans 200 x 800 ft. knitting mill, East Flanders St. between 17th and 19th Sts. $500,000.

Calif., San Francisco — FACTORY — G. Haas & Sons, Phelan Bldg., having revised plans prepared by W. Lowe, 354 Hobart St., Oakland, 3 story and basement, rein.-con., 10th and Howard Sts. Former bids rejected. Noted Aug. 25.

Bids Desired

Mass., Amesbury—REPAIR and SERVICE GARAGE—J. McLane, c/o Amesbury Auto Body Co., taking bids 1 story, rein.-con. and steel, plain foundation, Clark and Elm Sts. $40,000. Morse & Dickerson, 25 Washington St., Haverhill, archts.

Mass., Arlington (br. Boston) — SUBSTATION—Edison Electric Illuminating Co., 39 Boylston St., Boston, taking bids 2 story, 40 x 110 ft., brick, plain foundation, Mystic St. $40,000. Bigelow & Wadsworth, 120 Tremont St., Boston, archts. Noted Sept. 15.

Mass., Brookline (br. Boston)—SERVICE, SALE and REPAIR SHOP—Oct. 24, by Cadillac Motor Car Co., 2860 Clark St., Detroit, Mich., 2 story and basement, brick and stone, plain foundation, Commonwealth Ave. and Essex St., here. To exceed $40,000.

Mass., Cambridge (Boston P. O.) — PLANT — Lever Bros. Co., 164 Bway., taking bids altering 5 story and basement, brick, plain foundation. $40,000. C. T. Main Co., 201 Devonshire St., Boston, engrs.

Mass., Cambridge (br. Boston)—REPAIR and SERVICE GARAGE—Klauer Bros., 345 Franklin St., taking new bids, 2 story, 13,000 sq.ft. floor space, brick and steel, plain foundation, Franklin St. $50,000. Former bids rejected. W. W. Drummey, 80 Boylston St., Boston, archt. Noted Sept. 8.

N. Y., New York — LAUNDRY and POWER HOUSE—Oct. 28, by B. S. Coler, comr. Welfare, Municipal Bldg., altering and constructing additions to laundry and power house, at Lincoln Hospital, Concord Ave. and East 141st St., Bronx Boro. C. B. Meyers, 31 Union Sq., archt. Noted Oct. 13.

N. J., Jersey City—CAN FACTORY—See "Contracts Awarded."

O., Dayton — FACTORY — Oct. 24, by U. S. Corrugated Box Co., 1315 Martindale Ave., Indianapolis, Ind., 1 story, 125 x 300 ft., brick and steel, Holmes Ave. near Soldiers Home. $75,000. C. E. Bacon, 1104 Odd Fellows, Indianapolis, Ind., archt. Noted Oct. 13.

Contracts Awarded

Mass., Jamaica Plain (br. Boston) — KNITTING MILL — F. W. Oakes, c/o J. Murray, archt., 101 Tremont St., Boston, 1 story, 65 x 160 ft., brick and timber, plain foundation, Williams and Water Sts., here, to J. P. Foley & Son, 80 Boylston St., Boston. Archts. est. $40,000. Noted Sept. 15.

Mass., Quincy (Ind. br. Boston)—PLANT—Norfold Woodworking Co., 275 Hancock St., will build 1 story, 60 x 130 ft., and 70 x 300 ft., timber woodworking plant and storage facilities, concrete foundation, Hancock St. $50,000. L. S. Joslin, 339 Newbury St., Boston, archt.

Mass., Somerville—ICE PLANT—Metropolitan Ice Co., 321 Washington St., artificial ice plant, brick and steel, Cottage Ave. and Brookford St., to E. D. Ward Co., 82 Foster St. Engrs. est. $60,000.

Mass., Walpole — MANUFACTURING — Multibestos Co., T. H. Boston, supt., South St., altering and constructing 1 story, brick and steel addition plain foundation, South St., to Bouvier-Brien Constr. Co., 189 Sayles St., Woonsocket, R. I. Archts. est. $40,000.

Conn., Greenwich—WORKSHOP, etc. — St. Lukes Hospital, Post Rd., two 12 x 15 ft. pumphouses, and 30 x 115 ft. garage, workshop and workers quarters, rein.-con. and brick, to M. Mezzulo, 132 Pearl St., Fortchester, N. Y. Archts. est. $70,000.

Conn., Meriden—GARAGE—A. Pinkevitch, 75 Willow St., 2 story, 45 x 115 ft., rein.-con., brick, and steel, Veteran St., to H. Wales Lines Co., 134 State St. Archts. est. $50,000.

N. J., Jersey City — CAN FACTORY — Amer. Can Co., 120 Bway., New York City, will build 7 and 8 story, 200 x 500 ft., rein.-con., St. Pauls Ave. and Erie R.R. tracks, here, by day labor. $2,000,000. C. G. Preis, c/o owner, ch. engr. Noted May 28.

N. J., Somerville—ICE PLANT—Crystal Ice & Coal Co., 307 Arlington Ave., general contract ice plant, incl. 42 x 47 ft. engine room, 21 x 65 ft. tank house, 42 x 53 ft. ice storage shed and 41 x 42 ft., daily storage shed, all 1 story, to A. Milne, 15 Watchung Ave., Plainfield. Archts. est. $40,000.

Pa., Cressona—ENGINE HOUSE, etc.—Reading Co., C. Dillenback, ch. engr., Reading Terminal Bldg., Phila., 1 story, 115 x 167 ft. engine house, 1 story, 37 x 100 ft. locker building, etc., and 100 ft. turntable, here, to I. S. Grinrod, 10 South 18th St., Phila. Noted Oct. 6.

Pa., Pittsburgh — PAINT FACTORY — Standard Plate Glass Co., 1st Natl. Bank Bldg., general contract 4 story and basement, 40 x 153 ft., rein.-con. and brick, Galveston Ave., to Construction Corp., 3216 Smallman St. Archts. est. $150,000.

O., Cincinnati—AUTO REPAIR SHOP—Oakley Chevrolet Co., Madison Rd., 2 story and basement, brick and rein.-con., plain foundation, Madison Rd., to Leibold-Farrell Co., Schmidt Bldg., $60,000.

O., Cleveland—FACTORY—Upson-Walton Co., 12500 Elmwood Ave., 1 story, 60 x 181 ft., brick and steel addition, to Austin Co., 16112 Euclid Ave. Archts. est. $40,000. Private plans.

O., Zanesville — POTTERY PLANT — H. A. Weller Co., 1 story, 200 x 250 ft., brick and steel addition, to Austin Co., Union Trust Bldg., Pittsburgh, Pa. Archts. est. $350,000. Private plans. Noted Sept. 8.

Ill., Chicago — FACTORY—Mergenthaler Linotype Co., 531 Plymouth Ave., carpentry contract 6 story, 75 x 100 ft., brick, 531-35 Plymouth Ave., to Chicago Special Constr. Co., 53 West Jackson Blvd. Archts. est. $80,000.

Mo., Kansas City—POWER PLANT—Kansas City Power & Light Co., 14th St. and Grand Ave., two complete steam generating units for Grand Ave. and Northeast Stations, to Combustion Eng. Corp. (subsidiary of International Combustion Eng. Corp., 200 Madison Ave., New York City). Noted May 12.

Mo., North Kansas City—REFINERY—Corn Products Refining Co., 1238 Bd. of Trade Bldg., Kansas City, sugar refinery, rein.-con. and brick, here, to Bedford Constr. Co., 200 East Illinois St., Chicago, Ill. Archts. est. $1,000,000. Noted Oct. 13.

Calif., Los Angeles—LAUNDRY—Bluebird Laundry Co., South Western Ave., 3 story, L shaped, Sect. 1 40 x 71 ft. and Sect. 2 71 x 140 ft. stucco and cast stone, South Western Ave., to May & Grimwood, 520 East 8th St., $74,000. Noted Aug. 25.

Calif., Los Angeles—LAUNDRY—Community Laundry Co., C. C. Craig, pres., 3 story (ultimately 6 story), 145 x 235 ft., rein.-con., Highland and Willoughby Aves., to Easton & Nesser, 340 North Rampard Blvd., $149,000. Noted Oct. 13.

Calif., Los Angeles—LAUNDRY—Peerless Laundry Serv. Co., 5826 South Main St., 2 story and basement, 90 x 120 ft., steel and rein.-con., 5873 Wood-Lawn Ave., to Lynch Constr. Co., 730 Merrill St., $94,850. Noted Sept. 29.

Calif., San Francisco — FACTORY — G. Haas & Sons, Phelan Bldg., 3 story and basement, rein.-con., 10th and Howard Sts., to Monson Bros., 251 Kearny St., $175,000. Noted Aug. 25.

P. E. I., Georgetown — WAREHOUSE, etc.—S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., frostproof warehouse and improving railway wharf, here, to Phillips & Clark, Georgetown, $53,000. Noted June 2.

Buildings—Educational, Religious

Proposed Work

Mass., Andover — FRATERNITY — Phillips Andover Academy having preliminary plans prepared by Perry, Shaw & Hepburn, 177 State St., Boston, fraternity building, $150,000 or more.

Mass., Brockton — CHURCH — First Church of Christ Scientist, W. Hanson, chn. Bd. Directors, 567 Pleasant St., raising $150,000 or more funds for church, North Main St. Engineer and architect not selected.

Mass., Lynn—CHURCH—Church of Holy Family (Roman Catholic), P. Sozzi, pastor, 21 Bessom St., having sketches made by M. Sullivan, 100 Baylston St., Boston, 1 story and basement, brick and stone, plain foundation, 22 Bessom St. $150,000. Noted Nov. 25.

Mass., Fall River — SCHOOL — City, Schoolhouse Dept., City Hall, having revised plans prepared by J. I. Higgins, Borden Blk., 3 story and basement, 75 x 230 ft., brick and stone, plain foundation, Dwelly, Slade and Lewis Sts. $400,000. Former bids rejected. Noted Oct. 6.

Mass., Walpole—HIGH SCHOOL—Town, c/o R. M. Stowell, archt., 184 Boylston St., Boston, rejected bids 2 story and basement, brick, steel, granite limestone addition, plain foundation, Common St. $275,000.

Mass., Worcester—SCHOOLS—City, Pub. Building Dept., City Hall, plans Junior High School, brick and steel, $250,000; grade school addition in Lake View Dist. and new school in Bloomingdale Dist., to exceed $150,000; and continuation school in Sycamore St. $150,000. Engineer and architect not selected.

Conn., Bridgeport — CHURCH — First Methodist Episcopal Church, H. E. White, chn. building comn., having revised plans prepared by E. G. Southey, 983 Broad St., brick and stone, Harrison and Golden Hill Sts. $500,000. Allen & Collens, 75 Newbury St., Boston, Mass., engrs. Noted Aug. 4.

Conn., New Milford—CHAPEL—Canterbury School having plans prepared by R. Hume, 247 Park Ave., New York City, N. Y., 40 x 80 ft., stone and terra cotta chapel. $150,000.

N. Y., Chappaqua — SCHOOL — School Dist. 4, towns of Mt. Pleasant and Newcastle, having plans prepared by Marr & McNeile, 70 East 45th St., New York City, school, Ring St., here. $325,000.

N. J., Bridgeton—HIGH SCHOOL—Bd. Educ. having plans prepared by Edwards & Greene, 548 Federal St., Camden, 2 story, high school. $260,000. Noted Mar. 24.

N. J., Hackensack—CHILDREN'S HOME—Bd. Freeholders Bergen Co., 46 Hudson St., had plans prepared by C. V. Bogert, 167 Main St., 3 story and basement, brick and steel, plain foundation, Green St. $150,000. Noted June 2.

N. J., Livingston—SCHOOL—Bd. Educ., Town Hall, having plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story and basement, brick and steel, plain foundation. $150,000.

N. J., Paterson — SCHOOL — Eastern Academy, 273 North 7th St., having revised plans prepared by J. C. Van Vlandren, 140 Market St., 2 story and basement, brick

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Buildings—Educational, Religious (Cont.)

and steel, plain foundation, North 8th St. $150,000. Noted Apr. 14.

N. J., Pleasantville — HIGH SCHOOL — Bd. Educ. having revised plans prepared by S. H. Vaughn, c/o Guarantee Trust Bldg., Atlantic City, 3 story and basement, rein.-con., brick and steel, plain foundation, Franklin Blvd., Ardsley, Roosevelt and Chester Aves. $650,000. Noted Apr. 14.

N. J., Ridgewood—SCHOOL—Bd. Educ., 1 Franklin Ave., takes bids about Oct. 27, general contract 2 story and basement, brick and steel, plain foundation, Monroe St. $450,000. Fanning & Shaw, 49 Ward St., Paterson, archts.

N. J., South Plainfield—SCHOOL—Bd. Educ., Plainfield Ave., takes bids about Oct. 17, general contract 2 story and basement, brick and steel, plain foundation, Hamilton Blvd. $150,000. G. M. Ricci, 224 Smith St., Perth Amboy, archt.

Pa., North Braddock (Braddock P. O.)—HIGH SCHOOL—School Dist. of North Braddock, c/o S. R. McClure, Bergen Bldg., Pittsburgh, having plans prepared by Carlisle & Sharrer, Martin Bldg., Pittsburgh, 2 story and basement, irregular shaped, brick and steel addition to Junior High School, here. $300,000.

Miss., Crystal Springs—SCHOOL—Copia Co. Bd. Educ., c/o P. K. Brice, chn., soon takes bids 2 story, brick and stone, rein.-con. foundation, for Consolidated School Dist. of Crystal Springs. $150,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted Sept. 1.

O., Cleveland Heights (Warrensville P.O.)—CHURCH, RECTORY and SUNDAY SCHOOL—Walker & Weeks, archts., 2341 Carnegie Ave., Cleveland, soon lets contract, brick, steel, stone and concrete, Fairmount Blvd., for First Baptist Church of Greater Cleveland, F. W. Lovell, chn. building, com., 2060 East 46th St., Cleveland. Noted Apr. 23.

Ind., Muncie—CHURCH—Building Com. Baptist Church, W. G. Everson, pastor, 1116 West Walnut St., soon lets contract, Indiana limestone and brick, Jefferson St. $250,000. S. Hannaford & Sons, Dixie Terminal Bldg., Cincinnati, O., archts. Noted May 19.

Mich., Grosse Pointe (br. Detroit) — SCHOOL—Bd. Educ., 17453 East Jefferson Ave., had plans prepared by G. J. Haas, 804 Wormer & Moore Bldg., Detroit, and soon takes bids 2 story and basement, brick, steel and stone, plain foundation, Kercheval Ave. $150,000.

Tex. Port Arthur—SCHOOL—Voted $1,500,000 bonds, school improvements, incl. 4 buildings. $200,000-$300,000 each, etc., for Bd. Educ.

Tex., Sherman — SCHOOL — Bd. Educ. soon takes bids new Washington School. $150,000 bonds voted for same.

Calif., Huntington Park — CHURCH — De Wight Kindig & H. P. Sharpe, associated archts., 451 North Western Ave., Los Angeles, soon take bids 2 story and basement, 130 x 150 ft., brick, here, for Huntington Park Christian Church, Los Angeles.

Calif., Los Angeles — SYNAGOGUE — B'nai B'rith Temple, 519 West 9th St., takes bids about Oct. 28, 4 story, 120 x 260 ft., steel and rein.-con., Wilshire and Hobart Blvds. $1,000,000. Allison & Allison, Hibernian Bldg., and A. M. Elderman, 824 H. W. Hellman Bldg., associated archts. Noted Mar. 10.

Calif., Redlands — AUDITORIUM — Trustees Redland High School Dist., having revised plans prepared by E. Bergstrom, Citizens Natl. Bank Bldg., Los Angeles, rein.-con. auditorium. $150,000. Former bids rejected. Noted Nov. 4.

Bids Desired

Mass., Fall River—SCHOOL—Oct. 22, by J. I. Higgins, archt., 44 Borden Blk., 3 story and basement, 75 x 230 ft., brick, plain foundation, Dwelly, Slade and Lewis Sts., for city, School House Dept., City Hall. Noted Oct. 13.

R. I., Warwick—SCHOOLS—Oct. 26, by Town School Com., Town Hall, and Hutchins & French, archts., 11 Beacon St., Boston, Mass., Norwood, Lakewood and Greenwood Schools, each 2 story and basement, brick and stone, plain foundations. To exceed $150,000.

N. Y., Brookyln—HIGH SCHOOL—Nov. 7, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., constructing P. S. 96 (Junior High School), Avenue P, between West 11th and 12th Sts., for Bd. Educ., 500 Park Ave., New York City.

Pa., Lancaster — HIGH SCHOOL — Bd. Educ. taking bids and opens same about Oct. 28, rein.-con., brick, stone and steel addition to West End Junior High School. $450,000. C. E. Urban, Woolworth Bldg., Lancaster, Pa., and W. B. Ittner, 911 Locust St., St. Louis, Mo., archts. Noted May 19.

Pa., Lancaster — HIGH SCHOOL — Bd. Educ. taking bids 3 story, rein.-con., brick and stone addition to East Side Junior High School. $450,000. M. R. Evans, 10 East Orange St., Lancaster, and W. B. Ittner, 911 Locust St., St. Louis, Mo., archts.

Md., Baltimore—CHURCH—Nov. 1, by St. Ambrose Roman Catholic Church, H. J. Monaghan, pastor, Park Heights and Wylie Aves., rein.-con., brick and stone, Park Heights and Wylie Ave. Maginnis & Walsh, 140 Boylston St., Boston, Mass., archts. Noted Feb. 10.

D. C Wash.—HIGH SCHOOL—Nov. 1, by District Comrs., District Bldg., constructing Gordon Junior High School, 1,572,000 cu.ft. floor space.

Va., South Norfolk (mail Norfolk)—HIGH SCHOOL—Oct. 27, at office J. Hurst, supt. schools, Norfolk Co. and South Norfolk 52 Nusbaum Bldg., Norfolk, high school, here. $160,000. C. M. Robinson, Times Dispatch Bldg., Richmond, archt.

La., Shreveport—HIGH SCHOOL—Nov. 9, by Caddo Parish School Bd. or E. F. Neild, archt., 1206 City Bank Bldg., 2 story, brick and stone, Fair Park. $400,000. Noted Aug. 11.

O., Columbus—HIGH SCHOOL—Nov. 7, by Bd. Educ., W. V. Drake, clk., Junior High School, 2 story and basement, 200 x 250 ft., brick and concrete, Indianola Park. $325,000. H. D. Smith, 207 East State St., archt. Noted Sept. 15.

Ind., Danville — SCHOOL — Oct. 28, by School Trustees (selected list of bidders), 2 story and basement, rein.-con., brick and steel high and grade school, incl. auditorium and gymnasium. $160,000. McGuire & Shook, 941 North Meridian St., Indianapolis, archts.

Ind., Indianapolis — SCHOOL — Oct. 28, by State Blind School, 3 story, rein.-con., brick and steel, incl. administration, industrial and 3 dormitory buildings, 75th St. and College Ave. $400,000. W. A. Breining, 511 Traction St., engr. Harrison & Turnook, 500 Bd. of Trade Bldg., archts.

Ind., Indianapolis—CHURCH—Oct. 25, by Zion Evangelical Church, W. R. Davis, pastor, 416 East North St., 2 story and basement, 68 x 180 ft., brick, steel and stone, North and East Sts. $150,000. D. A. Bohlen & Son, 1001 Majestic Bldg., archts.

Mich., Mt. Clemens—SCHOOL—Dec. 1, by G. J. Haas, archt., 2231 Park Ave., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, incl. gymnasium and auditorium, Dist. 1, Lake Twp., near here, for Bd. Educ., A. W. Palmer, R.F.D. 4, $200,000.

Tex., San Angelo — CHURCH — First Baptist Church, c/o E. Ridgeway, pastor, taking bids 2 story and basement, brick, stone, steel and rein.-con. church. $130,000. R. H. Hunt & Co., 1407 S. W. Life Bldg., Dallas, archts. Noted Aug. 4.

Wash., Seattle—SCHOOL—Nov. 15, by F. Fowler, archt., L. C. Smith Bldg., 4 story and basement, 60 x 108 ft., brick, 5th and Virginia Sts., for Wilsons Modern Business College, 2nd and Virginia Sts. $150,000.

Calif., Los Angeles—HIGH SCHOOL—Oct. 26, by Bd. Educ., 3 story, 60 x 200 ft. with 40 x 50 ft. wing, brick and terra cotta addition to Metropolitan High School, Venice Blvd. $345,000. Noerenberg & Johnson, Los Angeles Ry. Bldg., archts. Noted Feb. 10.

Calif., Los Angeles—MUSEUM—Oct. 31, by Supervs. Los Angeles Co., Unit 2, Museum of History, Art and Science, 3 and 4 story, 143 x 173 ft., rein.-con. and brick, Exposition Park. To exceed $1,000,000. E. Bergstrom, City Natl. Bank Bldg., M. Hunt, 420 South Spring St., P. Davis, 3215 West 6th St., S. P. Hunt, 2645 North Berendo St., and W. Richards, Citizens Natl. Bank Bldg., archts. Foundation for above awarded to Clinton Constr. Co., Stockton Exch. Bldg.; excavating, to C. G. Willis & Son, 2119 East 25th St.; and structural steel to McClintic-Marshall Co., 426 South Spring St. Noted Oct. 13.

Contracts Awarded

Mass., Malden (br. Boston) — HIGH SCHOOL — City, A. J. Plummer, chn. building Comn., general contract Junior High School, 2 story and basement, 165 x 300 ft., brick and stone, plain foundation, Pleasant St., to W. J. Delaney, 283 Essex St., Lawrence. $353,277; heating and ventilating, to V. Kennaelly Co., 256 Dover St., Boston, $53,000; and electrical work, to Balcom Bros., 29 Irving St., $25,000.

N. Y., Syracuse — SCHOOL — City, A. Partridge, engr., City Hall, general contract school, to W. J. Burns, Keith Theatre Bldg. Noted July 14.

N. J., Mays Landing—HIGH SCHOOL—Bd. Educ., Hamilton Twp., A. E. Smith, dist. clk., 3 story and basement, 66 x 138 ft., and 51 x 60 ft., brick and steel, to G. W. Shanner & Son, Palmyra, $179,987. Noted Sept. 29.

N. J., Mays Landing—CHURCH and RECTORY—Trinity Protestant Episcopal Church, gray stone and limestone church and rectory, to McNeil Constr. Co., 15th

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Buildings—Educational, Religious (Cont.)

and Race Sts., Phila., Pa., $150,000. Noted Oct. 6.

N. J., Summit — HIGH SCHOOL — Bd. Educ., 272 Morris Ave., general contract 2 story and basement, 125 x 125 ft., brick and steel addition, plain foundation, Elm St., to G. A. Davies, Inc., 331 Madison Ave., New York City, $245,446; and heating, to Trenton Plumbing & Heating Co., 366 South Bird St., Trenton, $34,944. Noted Oct. 6.

N. J., Totowa (mail Paterson)—DORMITORIES—Bd. Institutions & Agencies, State House, Trenton, general contract 4 dormitories and 2 other buildings at Training School for Feeble Minded Females, here, to Butler Reisdorff Co., 120 East 41st St., New York City, $448,000; plumbing, to Burns, Lane & Richardson, 16 Paterson St., New Brunswick, $45,843; and electrical work, to Hoffman & Elias, 59 West 51st St., New York City, $27,864. Grand total $521,707. Noted Sept. 15.

Pennsylvania—HOME—Jewish Convalescent Home, c/o L. B. Rothschild, archt., 215 South Broad St., Phila., 3 story and basement, 36 x 195 ft., and 52 x 91 ft., rein.-con., brick and steel, plain foundation, Moreland Rd., Upper Dublin Twp., Montgomery Co., to F. V. Warren Co., 1913 Arch St., Phila. Archts. est. $300,000 Noted June 30.

Pa., Lancaster—SCHOOL—Bd. Educ., general contract 3 story, rein.-con., brick and stone, to H. Wohlsen, Lancaster, $143,457; heating and ventilating, to Everts & Overdeer, Lancaster, $27,388. Noted May 19.

Ill., Chicago—SCHOOL—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., masonry contract 3 story, 70 x 260 ft., Major and Roscoe Sts., to Simpson Constr. Co., 1113 South Hermitage Ave., $217,900. Noted Aug. 25.

Calif., Los Angeles — MUSEUM — See "Bids Desired."

Calif., San Francisco — CHURCH and HOTEL—Methodist Book Concern, 5 City Hall Ave., 23 story, steel and rein.-con., McAllister and Leavenworth Sts., to Cahill Bros., 55 New Montgomery St., $2,000,000. Noted May 26.

Federal Government Work

Proposed Work

Mass., Scituate—Radio Compass Station —Spec. 5439—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids relocation pole line and wire system, at Radio Compass Station, Fourth Cliff, here. Will readvertise.

New York—Dredging—U. S. Engineer Office, Army Bldg., Whitehall St., New York City, rejected bids Sept. 12, dredging and rock removal in Mamaroneck and Hempstead Harbors. Noted Sept. 15.

N. Y., Fort Wadsworth (mail Staten Island) — Barracks — Constructing Quartermaster, 39 Whitehall St., New York City, rejected bids Sept. 26, infantry battalion barracks at Fort Wadsworth, here. Noted Sept. 29.

N. Y., Northport — Canteen Building — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids Oct. 11, canteen building at U. S. Veterans Hospital, here. Noted Sept. 15.

D. C., Anacostia (br. Wash.) — Radio Towers—Spec. 5508—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans two 125 ft. triangular, structural steel radio towers with concrete foundations, at Naval Air Station, here. L. E. Gregory, ch. of bureau.

La., New Orleans—Steel Hull—U. S. Engineer Office plans wood steel hull for concrete mixing plant, here.

Bids Desired

Mass., Camp Devens—Barracks—Nov. 3 (extended date), by Constructing Quartermaster, 2 barrack buildings; adv. E. N.-R. Oct. 20. Noted Oct. 6.

New York—Dredging—Oct. 31, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York City, dredging 37,100 cu.yd., place measurement, more or less, from channel in Browns Creek; adv. E. N.-R. Oct. 20.

N. Y., Brooklyn—Metal Work—Spec. 5511—Oct. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing sash and sheet metal work in power house, Naval Hospital, here.

N. Y., Governors Island (br. New York) —Power and Lighting System, etc.—Nov. 3, by Constructing Quartermaster, electric power and lighting system and Diesel type electric generators, the engines to drive 20 kw. generators.

N. Y., Iona Island—Wharf—Spec. 5507—Oct. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing wharf at Naval Ammunition Depot, here.

N. Y., New York—Garage—Nov. 21, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing garage at U. S. Quarantine Station, here.

N. Y., New York—Motor Generator Sets —Spec. 5486—Oct. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 600 and 300 kw. motor-generator sets, incl. motor, generator and distribution panels and cable connections, etc., at Navy Yard, here; adv. E. N.-R. Oct. 20.

N. J. Dover—Standpipe, etc.—Oct. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing steel standpipe and piping at Naval Ammunition Depot, Lake Denmark, here; adv. E. N.-R. Oct. 20.

Md., Annapolis—Dredging—Spec. 5513—Oct. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging Rifle Range at Naval Academy, here. Noted Oct. 13.

Va., Norwolk—Spec. 5502—Oct. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., bath and terrazzo flooring, at Naval Hospital, here.

Ala., Montgomery — Nov. 15, by Constructing Quartermaster, Maxwell Field, constructing 13 non-commissioned officers quarters and utilities at Maxwell Field, here; adv. E. N.-R. Oct. 20.

Ind., Jeffersonville—Lodge—Nov. 10, by Constructing Quartermaster, new lodge at Vicksburg Natl. Cemetery.

Ill., Maywood—Laundry and Covered Passages—Nov. 8, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., laundry and covered passages at U. S. Veterans Hospital, Edward Hines, Jr., here. L. H. Tripp, ch. constr. div.

Wyoming—Road—Apr. 10, by Bureau Pub. Roads, Custom House, Denver, Colo., grading 10 mi. Grayling Creek Sect. 6-B, West Gallatin Natl. Park Road Project; Yellowstone Natl. Park, here. J. W. Johnson, Denver, Colo., dist. engr.

Wyoming—Road—Apr. 11, by Bureau Pub. Roads, Custom House, Denver, Colo., grading 9.3 mi. East Entrance-Sylvan Lake Sect. 5-A and 5-B East Entrance Natl. Park Project, Yellowstone Natl. Park, here. J. W. Johnson, Denver, Colo., dist. engr.

Wyoming—Road—Apr. 12, by Bureau Pub. Roads, Custom House, Denver, Colo., grading 8 mi. Gibbons Canyon Sect. 1-B, Norris Junction-Madison Junction Natl. Park Road Project, Yellowstone Natl. Park. J. W. Johnson, Denver, Colo., dist. engr.

Montana—Roads—May 2, by C. H. Purcell, dist. engr. U. S. Bureau Pub. Roads, 316 New Postoffice Bldg., Portland, Ore., constructing or improving 7 mi. Sun Camp-St. Marys Junction Project 1-E, and 4 mi. Babb-Many Glacier Project, Many Glacier Sect. 3, both in Glacier Natl. Park, here.

Colorado—Road—Apr. 10, by J. W. Johnson, dist. engr. Bureau Pub. Rds., Custom House, Denver, grading, 2.65 mi. Point Lookout Sect. 1-B, North and South Highway, Natl. Park Road Project, Mesa Verde Natl. Park.

Arizona—Road—Apr. 17, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Roads, 461 Market St., San Francisco, Calif., grading, etc. sections North Rim Natl. Park Highway, here.

Washington—Roads—May 3, by C. H. Purcell, dist. engr. U. S. Bureau Pub. Roads, 316 New Postoffice Bldg., Portland, Ore., constructing or improving 6.6 mi. Yakima Park Project, White River-Yakima Park, Sect. 3-B, and 5.38 mi. Yakima Park Project, East Boundary-White River Sect. EA, Mt. Rainier Natl. Park, here.

Washington—Roads—May 4, by C. H. Purcell, dist. engr. U. S. Bureau Pub. Roads, 316 New Postoffice Bldg., Portland, Ore., constructing or improving 5.3 mi. West Side Highway, Mowich Lake-West Boundary Rd., Sect. 2-E, and 3 mi. West Side Highway, Round Pass Klapatche Ridge Rd., Sect. 2-B, both in Mount Rainier Natl. Park, here.

Oregon—Road—May 2, by C. H. Purcell, dist. engr. Bureau Pub. Rds., 316 New Post Office Bldg., Portland, constructing or improving approximately 6.7 mi. Lodge-Diamond Lake Junction Project 7-A, Crater Lake Natl. Park.

California—Road—Mar. 20, by C. H. Sweetser, dist. engr. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading, etc. Route 1, Giant Forest-North Park Boundary, Sect. C and D, Sequoia Natl. Park Highway.

California — Road — Apr. 10, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading, etc., Route 1-C Summitt Lake-Loop Rd., Lassen Volcanic Natl. Park, Lassen Co.

Porto Rico, San Juan—Quarters—Spec. 5448—Nov. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story double quarters at Naval Radio Station, here; adv. E. N.-R. Oct. 20. Noted Oct. 6.

Conn., New Haven—Dredging—Nov. 22, by U. S. Engineer Office, Providence, R. I., dredging in Mill River, New Haven Harbor, here; adv. E. N.-R. Oct. 20.

Bids Received

N. Y., Cohoes — Betterments — Treas. Dept., at office Supervising Archt., Wash., D. C., Oct. 3, betterments at U. S. Post Office, here, from King Lumber Co., Charlottesville, Va., $2,950. Noted Sept. 8.

N. C., Wilson—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Oct. 10, constructing U. S. Post Office, here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $160,306. Noted Sept. 29.

Tex., Legion—Roads—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Oct. 4, resurfacing roads at U. S. Veterans Hospital, here, from Coaglozier & Hoff, San Antonio, $34,800. Noted Sept. 8.

Ore., Nyssa—Cottages—Bureau Reclamation, Sept. 26, one 5 room permanent cottage, two 3 room temporary cottages and 1 frame office building at Owyhee Dam site, Owyhee Project, here, from G. Johanson, Adrian, $25,039. Noted Sept. 22.

T. H., Pearl Harbor—Chimneys—Spec. 5412—Bureau Yards & Docks, Navy Dept., Wash., D. C., Oct. 5, rein.-con. chimneys with brick linings, here, from Weber Chimney Co., McCormick Bldg., Chicago, Ill., $15,635. Noted Sept. 1.

Contracts Awarded

N. Y., Albany—Dredging—U. S. Engineers Office, Army Bldg., 39 Whitehall St., New York City, dredging in Hudson River, here, to Natl. Dredging Co., 60 Beaver St., New York City, $585,834. Noted Sept. 29.

N. Y., Mineola—Barracks—Constructing Quartermaster, Mitchell Field, Sept. 26, 4 air corps barracks, etc. at Mitchell Field, here, to Murch Bros. Constr. Co., 611 Olive St., St. Louis, $265,259. Noted Sept. 1.

Pa., Phila. — Dredging — Spec. 5509 — Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Pier 8, Navy Yard, here, to Amer. Dredging Co., Mar. & Mer. Bldg., $15,224. Noted Sept. 29.

Pa., Pittsburgh—Dam—U. S. Engineers Office, constructing Dam 6, 1,140 ft. long, Allegheny River, here, to Dravo Contg. Co., Neville Island, $558,316. Noted Oct. 6.

Pa., Pittsburgh—Lock Gate—U. S. Engineer Office, 1 upper and 1 lower lock gate for Lock 14, Monongahela River, to Heyl & Patterson, 51 Water St., $11,420. Noted Sept. 8.

Ala., Dothan—Screen—Treas. Dept., at office Supervising Archt., Wash., D. C., changes in U. S. Post Office screen, here, to Smythe & Co., Wash., D. C., $3,329. Noted Oct. 6.

Miss., Vicksburg—Levee Work—U. S. Engineer Office, repairing levee work, Items 3 and 4, to Moorow & Neel, Yazoo City, $27,410; and Item 2, to C. E. Hines, Eden, $10,115.

La., New Orleans—Levee—U. S. Engineer Office, levee work in Lower Tensas, Pontchartrain, LaFourche and Baratoria Levee Dists., to E. H. Lancaster, Fairview, $6,500; to Lower Coast Constr. Co., Godchaux Bldg., New Orleans, $49,548; to Acme Constr. Co., Inc., Pointe-a-la-Hache, $10,980; to Grasser Constr. Co., Canal-Commercial Bldg., New Orleans, $17,280; and to O. O. Ogden, Roumain Bldg., Baton Rouge, $19,792. Grand total $104,100.

Ill., Chicago—Repairs—Treas. Dept., at office Supervising Archt., Wash., D. C., repairing U. S. Post Office, here, to A. J. Wagner, 3762 North Clark St., $11,000.

Ill., Great Lakes (mail Waukegon) — Electrical Distribution System—Spec. 5480 —Bureau Yards & Docks, Navy Dept. Wash., D. C., electrical distribution system, at U. S. Naval Training Station, here, to M. L. Miller, 1744 Sheridan Rd., North Chicago, $31,736 (180 days). Noted Sept. 29.

Ill., Great Lakes (mail Waukegon) — Heating Plant Equipment—Spec. 5405—Bureau Yards & Docks, Navy Dept., Wash., D. C., heating plant equipment for Naval Hospital, here, to R. H. Baker Co., Inc., Kendall Sq. Bldg., Cambridge, Mass., $106,000 (120 days). Noted Sept. 8.

Minn., Duluth—Pipe Line Dredge—U. S. Engineer Office, 12 in. pipe line dredge, to Marine Iron & Shipbuilding Co., foot 11th Ave. W., $34,778.

Minn., Fort Snelling—Fence and Gates—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., fence and gates, at U. S.

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Federal Government Work (Continued)

Veterans Hospital, here, to C. W. Olsen Mfg. Co., 1300 Quincy St. N.E., Minneapolis, $17,363. Noted Sept. 22.

N. D., Jamestown—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to E. Rokakr & Sons, 904 Terminal Bldg., Lincoln, Neb., $154,799. Noted Oct. 13.

Mo., Kansas City — Current Retards — U. S. Engineers Office, current retards at Franklin Island, in Missouri River, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $31,500.

Mo., St. Louis—Earthwork—District Engineer Northern Mississippi River Comn., Customhouse, levee work in Dist. 3, Perry Co., to Matthews Bros., $12,600; and in Ste. Genevieve Leve Dist. 1, to McCann Bros., Grand Tower, Ill., $7,200. Noted Oct. 6.

Calif., Los Angeles—Dredging—U. S. Engineer Office, 735 Central Bldg., dredging in Los Angeles Harbor, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $1,133,000. Noted Oct. 6.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

837—Arizona Edison Co., Douglas, Ariz., wants preliminary permit power project on Gila River, in Graham and Greenlee Counties.

838 — Conejos Recreation Assn., Inc., Antonito, Colo., wants license power project within La Manga Natl. Forest, on La Manga Creek, Conejos Co.

839—Cascade Power Co., Seattle, Wash., wants preliminary permit power project in Wenatchee River, Chelan Co., near Leavenworth.

Unclassified

Proposed Work

Stadium—Newtonville (Ind. br. Boston), **Mass.**—Dickerson Memorial, M. Hutchinson, chn. com., 15 Temple St., West Newton, plans rein.-con. memorial stadium, on high school grounds, here. $50,000. Engineer not selected.

Dock, etc.—New Brunswick, N. J.—City making plans brick and steel dock and warehouses, Burnett and Lock Aves. $1,000,000. A. Atkinson, city hall, engr. Noted June 30.

Stadium—Cincinnati, O.—St. Xavier College, Victory Blvd., plans concrete horseshoe shaped stadium, 25,000 seating capacity. $300,000. J. G. Steinkamp & Bros., 1212 Mercantile Library, engrs.

Wheel House—Beaver Crossing, Neb.—Making preliminary plans rein.-con. wheel house, etc. in conjunction with present dam. $30,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engrs.

Oil Tank Farm — Midland, Tex. — Atlantic Production Co., Midland, purchased 320 acre site and plans oil tank farm, mostly steel construction. $1,000,000. Private plans.

Diesel Engine and Generator—Sallisaw, Okla.—City made preliminary plans installing 300 hp. Diesel engine and generator. $30,000. F. E. Johnston, Sallisaw, engr.

Lighting System — Alhambra, Calif. — Plans ornamental lighting system on Valley Blvd. between Garfield Ave. and west city limits, etc. To exceed $25,000.

Lighting System — Fullerton, Calif. — Plans ornamental lighting system on Cannon Lane, Harvard and Frances Aves., etc. To exceed $25,000.

Tunnel—Los Angeles, Calif.—See "Streets and Roads."

Wharf, etc. — Los Angeles, Calif. — Francis Betts Smith, engr., 58 Sutter St., San Francisco, made plans concrete and steel wharf, extending 2,000 ft. into ocean, 60 x 200 ft. steel metal lath and concrete building on same, 1,350 ft. causeway 30 ft. with 22 ft. roadway, and 8 ft. sidewalk or promenade, foot of Santa Barbara St. $275,000. Group local business men will finance project.

Lighting System—Newport Beach, Calif.—Plans ornamental lighting system on various streets. To exceed $25,000. P. Kressley, city engr.

Fight Arena—San Francisco, Calif.—W. Ritchie, et al, c/o S. Heiman, archt., 57 Post St., having plans prepared 180 x 225 ft. fight arena with ice skating rink, etc. Mission Dist. $250,000.

Asphalt Plant — Montreal, Que. — City purchased land adjoining railroad tracks in East End and soon takes bids asphalt plant. $300,000 appropriated.

Grain Elevator — Vancouver, B. C. — Alberta Wheat Pool, Calgary, Alta., had plans prepared 2,500,000 bu. grain elevator, Burrard Inlet, here; bids for foundation were received until Oct. 16, $2,000,000. C. D. Howe & Co., Port Arthur, Ont., engrs.

Amusement Resort—Matamoras, Mexico—R. J. Allison & G. Olivares, Brownsville, Tex., and E. B. Izaguirre, Matamoras, Mexico, plan amusement resort, incl. hotel $750,000; also bull fight arena, horse racing track, electric rabbit racing tracks, etc. $750,000. Engineer and architect not selected.

Bids Desired

Heating, etc.—Beacon, N. Y.—Oct. 25, by Commissioner Dept. Correction, Albany, heating, sanitary, electric and equipment work in Kitchen and Dining Room, New Group, Matteawan State Hospital, here; adv. E. N.-R. Oct. 20.

Exit Facilities, etc.—Brooklyn, N. Y.—Nov. 2, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, exit facilities and fire stops, etc., at Brooklyn State Hospital, here.

Mechanical Equipment—Brooklyn, N. Y.—Nov. 7, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., mechanical equipment, incl. plumbing, drainage, heating, ventilating, electrical work, lighting fixtures, etc., in P. S. 96, Avenue P, from West 11th to 12th Sts., for Bd. Educ., 500 Park Ave., New York City.

Electric Generator—Comstock, N. Y.—Nov. 1, by Commissioner Dept. Correction, Albany, electric generator, Great Meadow Prison, here; adv. E. N.-R. Oct. 20.

Skating Rink—New York, N. Y.—Faybert Realty Co., c/o P. J. Heaney, 1363 Westchester Ave., taking bids 100 x 265 ft. with 100 x 100 ft. wing, ice skating rink, 55 ft. high, Westchester and Whitlock Aves. $200,000. D. M. Ach, 1 Madison Ave., archt. R. Nickerson, 136 Liberty St., engr.

Electrical Work, etc.—New York, N. Y.—Nov. 2, by Comr. Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing electrical work, exit facilities, and fire stops at Manhattan State Hospital, Wards Island, here; adv. E. N.-R. Oct. 20.

Subsidiary Pipes—New York, N. Y.—Oct. 25, by A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., subsidiary pipes between Empire City Subway Co. and traffic post locations, and erecting traffic posts along Bway., Lexington, West End, 7th, Madison, Amsterdam, and Park Aves.

Airport—Troy, N. Y.—See "Contracts Awarded."

Borings—New Jersey—Oct. 31, by State Hy. Comn., Trenton, borings on site proposed Newark Turnpike Highway Bridge over Hackensack River, Route 10 (1927), Hudson Co. A. L. Grover, secy.; adv. E. N.-R. Oct. 20.

Station Finish—Phila. Pa.—Oct. 27, by Dept. City Transit, H. E. Ehlers, dir. 1211 Chestnut St., station finish for Erie, Hunting Park, Wyoming, Logan and Olney Stations for Broad Street Subway, Contr. 183.

Steamship—Phila., Pa.—Oct. 25, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., 300 ft. steamship delivered in 9 months at Cape Charles, Va.

Underpass—Louisville, Ky.—Oct. 31, by W. H. Courtenay, ch. engr. Louisville & Nashville R.R. Co., Louisville, underpass, on 4th St., for Louisville & Nashville R.R. Co., Louisville, Southern Ry. Co., Wash., D. C., B. Herman, ch. engr., and Bd. Pub. Wks., Louisville. $400,000.

Lighting System — Huntington Park, Calif.—W. P. Mahood, city clk., taking bids ornamental lighting system on portions Slauson Ave. and Pacific Blvd., etc. To exceed $25,000. Noted Oct. 6.

Culverts — Ventura, Calif. — Nov. 1, by Clerk Ventura Co., 4 rein.-con. culverts, etc., 8,800 cu.yd. excav., 19,300 lb. reinforcing, etc. C. Petit, Ventura, co. surv.

Contracts Awarded

Mechanical Equipment—Brooklyn, N. Y.—Bd. Educ., 500 Park Ave., New York City, mechanical equipment, incl. plumbing in P. S. 225, Ocean View Ave., Brighton Beach, here, to J. A. Graf, 111 Putnam Ave., $26,732; also heating and ventilating, to Almirall & Co., Inc., 53 Park Pl., New York City, $79,330. Noted Sept. 15.

Mechanical Equipment—Far Rockaway, N. Y. — Bd. Educ., 500 Park Ave., New York City, plumbing in Far Rockaway High School, Cornaga Ave. and Beach 25th St., here, to T. E. O'Brien, Inc., 6311 5th Ave., Brooklyn, $119,987; heating and ventilating to Heat Control Serv. Co., 759 Park Pl., Brooklyn, $204,616; and electrical work, to Fischback & Moore, 222 East 42nd St., New York City, $44,000. Grand total $368,603. Noted Sept. 15.

Airport—Troy, N. Y.—Owner, c/o W. E. Arthur, engr. and archt., 292 Madison Ave., New York City, will build airport, incl. hangar, beacons, grading, etc., here. $150,000. Work will be done by separate contracts or by engineer for owner.

Signal Systems, etc.—Union City, N. J.—Bd. City Council, City Hall, Palisade Ave., traffic, police and fire signal system, also fire alarm box pedestals, to W. H. Strant Co., Haverstraw, N. Y., $48,593 and $36,065 respectively.

Electric Switching Equipment — Phila., Pa.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., electric switching and control equipment, etc. in Sub-stations 4, 5 and 6; also Broad Street Subway, Contr. 150, to W. V. Pangborne & Co., 1927 West Montgomery St., $160,993. Noted Oct. 6.

Subway Station Finish — Phila., Pa. — Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., station finish Columbia, Susquehanna-Dauphin, North Phila. and Allegheny Stations, Broad Street Subway Contr. 182, to Curtis Co., 10 South 18th St., $257,195. Noted Sept. 29.

Cable Guard Rail—South Dakota—State Hy. Comn., Pierre, 20,370 ft. cable guard rail on 8 Projects in 6 counties, to W. H. Pringle, Pierre, $7,995; 9,720 ft. 8 projects in 7 counties, to W. R. Oestreich, Watertown, $4,169; and 13,990 ft. 3 projects in 2 counties, to W. Selfven, Sturgis, $5,522; and 2,340 ft. on Federal Aid Project 201-B, Hyde Co., to A. Hanson, Highmore, $1,014. Grand total $18,700.

Coal and Ash Handling Equipment—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, coal and ash handling equipment for Municipal Service Bldg., 12th and Clark Sts., to S. Adamson Mfg. Co., Federal Reserve Bldg., $39,277. Engrs. est. $30,000. Noted Sept. 15.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on 8th St. between Figueroa and Bway. Sts., to Osborn Electric Co., 450 California Terrace, Pasadena, $26,495. Engrs. est. $29,571. Noted Oct. 6.

Portal Buildings—Oakland, Calif.—Alameda Co., two 2 and 3 story, rein.-con. portal buildings, to Vogt & Davidson, 185 Stevenson St., San Francisco, $111,950.

Materials

Proposed Work

Structural Steel and Lumber—Cincinnati, O. — Comrs. Hamilton Co., Court House, plans purchasing 246,500 lb. structural steel $10,846, also 6,760 lin.ft. white oak piling, 197,756 ft. structural timbers (fir), 88,000 ft. No. 1 and 3,667 ft. No. 2 common pine $16,825, for temporary viaduct over Cleveland, Cincinnati, Chicago & St. Louis R.R. tracks, and Mill Creek, 6th St. E. A. Gast, Court House, engr.

Bids Desired

Bridge Lumber, etc.—Atlantic, Ia.—Nov. 2, by Auditor Cass Co., 340,000 ft. bridge lumber and 12,060-14,000 lin.ft. treated piling. G. F. Canon, Atlantic, engr.

Reinforcing Steel and Piling—Leon, Ia.—Oct. 26, at office Auditor Decatur Co., 78 225 lb. reinforcing steel, also 6,500 ft. southern red cedar and 2,300 ft. creosoted yellow pine piling.

Bids Received

Pipe—Compton, Calif.—For 3,359 ft. 4 in. and 1,830 ft. 8 in. Class 150 lb. c.i. pipe, from Pacific States C.I. Pipe Co., 417 South Hill St., Los Angeles, at $0.38 and $0.735 per ft. respectively.

Portland Cement—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Oct. 14, 4,000 bags portland cement, from P. Salomone, $2,500; 250 tons asphalt cement, from Warner Quinlan Co., 79 Wall St., $5,683. Noted Oct. 6.

Contracts Awarded

Gravel — Carthage, Miss. — See "Streets and Roads."

Water Pipe — Chicago, Ill. — Dept. Pub. Wks., Room 406, City Hall, 493 tons 12 in. c.i. water pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., at $34 per ton. Noted Sept. 29.

See proposal advertising on page 124

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Road—Wyoming

Bids were opened by State Highway Commission, Cheyenne, June 14 (lowest four and highest) for constructing F. A. Project No. 138-B, Cheyenne-Pine Bluffs Rd., Laramie Co., from (A) Western Constr. Corp., (awarded contract); (B) Real & Kennedy; (C) J. J. Dooling; (D) Jesse Davis; (E) C. T. Whallen. The unit bids are as follows:

	A	B	C	D	E
225,500 cu.yd. earth	$0.18	$0.179	$0.189	$0.19	$0.22
100 cu.yd. loose rock	1.00	.75	1.00	.50	.40
50 cu.yd. solid rock	2.00	.75	.50	1.00	1.00
100 cu.yd. sta. overhaul	.05	.05	.04	.03	.02
2,724 lin.ft. unload and place pipe	.40	.40	.40	.50	1.00
139 lin.ft. Class B. conc. endwls.	15.00	25.00	20.00	22.00	27.50
608 cu.yd. snowfence	.80	1.00	.90	1.00	1.10
104,736 lin.ft. moving R. W fence	.01	.02	.02	.02	.03
73,842 lin.ft. R. W fence	.03	.05	.05	.04	.045
Totals	$47,479	$51,404	$52,785	$52,894	$63,272

Engineering News-Record, Issue of October 20, 1927

Paving—Wyandotte, Mich.

Bids were opened by City, June 7, (lowest three and highest) for paving Fourth Street, Assessment District No. 81, from (A) Bishop & Weir, 6451 East Six Mile Road, Detroit, (awarded contract); (B) E. A. Campbell, Kalamazoo; (C) Cement Paving Co., 606 Woodward Ave., Detroit; (D) W. E. Lennane. The unit bids are as follows:

	A	B	C	D
27,640 yd. pavement	$2.24	$2.25	$2.25	$2.37
15,575 ft. curb	.43	.60	.50	.75
8,300 cu.yd. excav.	.45	.55	.50	.70
50 catch basins	45.00	40.00	65.00	50.00
5 manholes	55.00	70.00	65.00	70.00
18 manholes rebuilt	25.00	15.00	45.00	25.00
4,000 ft. 12 in. sewer	.90	1.25	1.75	1.35
20 ft. 8 in. c.i pipe	3.80	1.00	2.00	3.00
745 ft. ret. stone	1.00	.50	1.80	1.25
Totals	$83,261	$84,472	$87,478	$93,139

Engineering News-Record, Issue of October 20, 1927

Road—Michigan

Bids were opened by State Highway Department, Grand Rapids, Sept. 15, for constructing 5.022 mi. of Federal Aid Road No. F 041-10 C-3, Grand Rapids and Ada Townships, Kent Co., from (A) H. C. Nelson, Muskegon; (B) J. R. Edelman Co., Muskegon; (C) Marsman & Tabor, Grand Rapids. The unit bids are as follows:

	A	B	C
263.73 sta. excav.-fine grading	$5.00	$25.00	$18.00
12,270 lin.ft. cable guard rail	.50	.55	.55
4,996 mi. seeding	30.00	40.00	40.00
2,263 sq.yd. gravel surf. 5-in. one course	.50	.50	.50
49,475.84 sq.yd. conc. pavement, 7-in. center, 9-in. edge	1.29	1.27	1.33
9,222.30 sq.yd. conc. pavement, 7-in. center, 9-in. edge (mesh reinf.), 5.4 lb. per sq.yd.	1.54	1.57	1.58
177.6 sq.yd. conc. approach slab, 12-in. uniform (bar reinf.), 34.3 lb. per sq.yd.	4.00	4.35	3.75
120.0 sq.yd. bridge surf. spec. see plans	2.00	1.25	1.50
Totals	$87,712	$92,909	$94,047

Engineering News-Record, Issue of October 20, 1927

Sewers—Salina, Kan.

Bids were opened by City, June 3, (lowest three) for installing sanitary sewers, from (A) Eberhard & Shriver, (awarded contract); (B) H. J. Taylor; (C) L. W. Rexroad; all contractors of Salina. The unit bids are as follows:

		A	B	C
2,392 lin.ft. trenching	0–4 ft.	$0.40	$0.40	$0.42
1,550 lin.ft.	4–6 ft.	.45	.50	.45
5,212 lin.ft.	6–8 ft.	.55	.60	.56
5,531 lin.ft.	8–10 ft.	.75	.80	.65
746 lin.ft	10–12 ft.	1.00	1.00	.75
1,510 lin.ft.	12–14 ft.	1.20	1.00	1.00
5,395 lin.ft.	6 in. v.s. pipe	.40	.45	.55
9,251 lin.ft.	8 in. v.s. pipe	.55	.60	.65
2,295 lin.ft.	10 in. v.s. pipe	.90	.80	.70
27 manholes		60.00	60.00	75.00
7 flush tanks		90.00	90.00	185.00
62 add. depth manholes and flush tanks		6.00	7.00	7.50
253 wyes		1.00	1.00	1.50
416 flush tanks, conc.		.60	.60	1.00
117 paving cuts		1.00	1.00	1.00
Totals		$23,780	$24,657	$25,150

Engineering News-Record, Issue of October 20, 1927

Pipe Line—Massachusetts

Bids were opened by Metropolitan District Water Supply Commission, Boston, July 15, (lowest four and highest), for constructing 20 in. pipe line from Whitehall Reservoir to diversion dam on City Brook in town of Hopkinton, from (A) Portland Contg. Co., Inc., 97 Exchange St., Portland, Me., (awarded contract); (B) M. E. Kelley, Peabody; (C) R. H. Newell, Uxbridge; (D) Cenedella & Co., Milford; (E) A. Phelps & Sons, Detroit, Mich. The unit bids are as follows:

	A	B	C	D	E
Connection to gatehouse at Whitehall Reservoir (lump sum)	$450.00	$646.00	$750.00	$1,000.00	$1,200.00
6,800 lin.ft. furnishing 20-in. C. I. pipe and special castings	4.25	4.48	4.80	4.10	7.25
6,800 lin.ft. laying 20-in. C. I. pipe and special castings	.92	.75	.70	1.40	.80
4,000 cu.yd. excav. fill and refill	2.40	2.65	2.80	2.75	1.50
1,700 cu.yd. excav. fill and refill	1.22	4.27	2.70	4.00	5.00
Upper mill pond crossing (lump sum)	3,500.00	1,865.00	5,000.00	5,500.00	5,700.00
Furnishing and constructing one 4-in. blowoff (lump sum)	25.00	182.00	150.00	100.00	90.00
Furnishing and constructing one 2-in. air relief, type A (lump sum)	23.00	125.00	150.00	200.00	90.00
Furnishing and constructing one 2-in. air relief, type B (lump sum)	135.00	250.00	900.00	200.00	210.00
100 cu.yd. excav. at the diversion dam on City Brook	1.50	2.50	5.00	4.00	2.00
550 cu.yd. furnishing and placing impervious core and blanket in diversion dam	1.60	1.50	2.50	3.00	2.00
1,200 cu.yd. furnishing and placing pervious embankment in diversion dam	1.60	1.40	1.75	1.75	1.25
100 cu.yd. furnishing and placing soil dressing	2.00	2.25	2.00	3.00	1.25
30 cu.yd. furnishing and placing concrete	19.00	20.00	30.00	20.00	24.00
25 cu.yd. furnishing and placing paving	8.00	8.00	10.00	8.00	10.00
Furnishing and placing 20-in. shear valve at pipe line outlet (lump sum)	80.00	250.00	250.00	300.00	300.00
	$54,963	$60,521	$65,715	$67,750	$80,725

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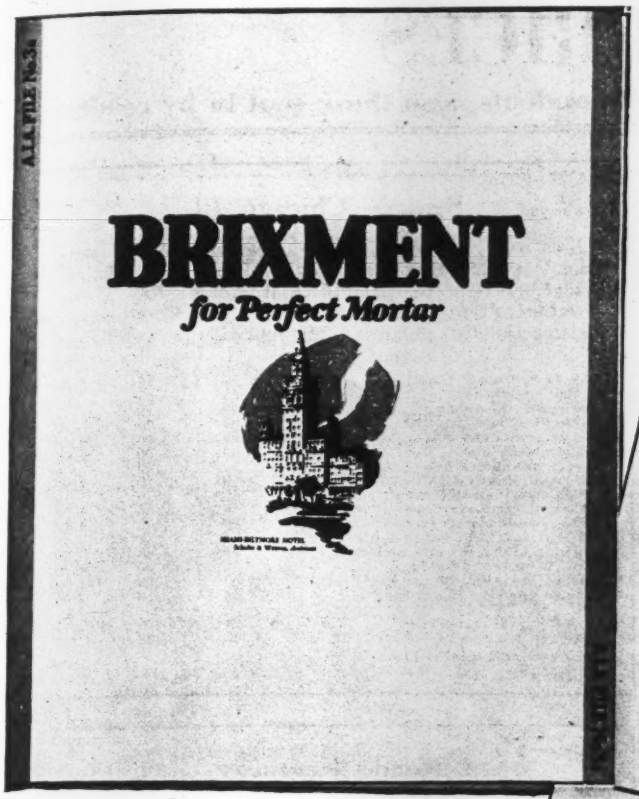
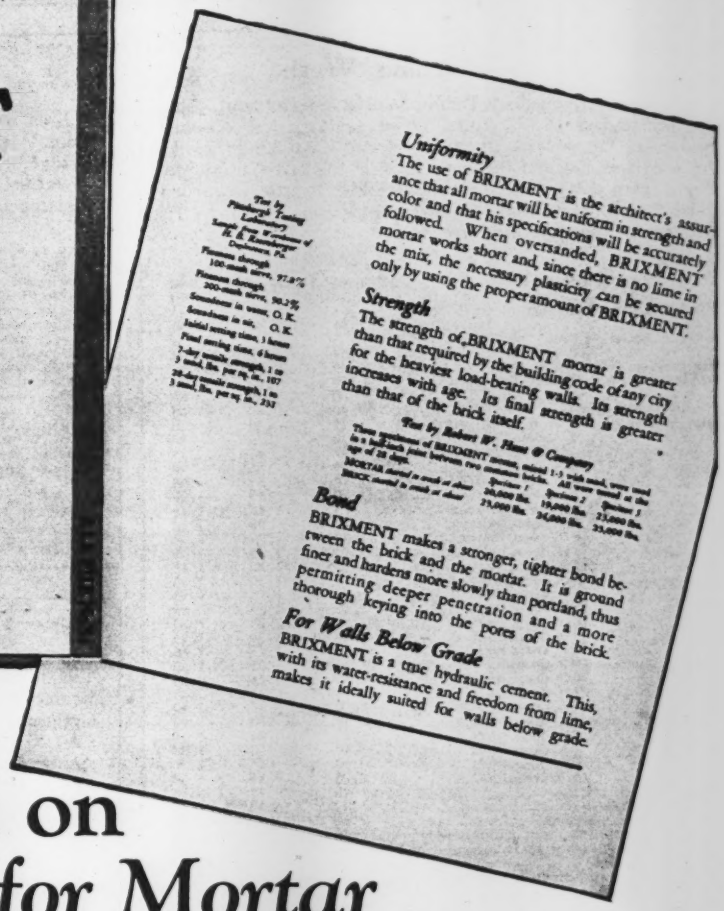
UNIT PRICES *Continued on page 212a*



In this ONE Book



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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Sewers—Tacoma, Wash.

Bids were opened by Public Works Department, Apr. 11, for laying 18,773 lin.ft. 12-in. sanitary trunk sewer and 8-in. laterals in all streets from East 32nd St. S., to Sherman St. and between East P St. and Grandview Ave., from (A) McHugh & Calluchio, Seattle, (awarded contract); (B) Paine Gallucci & Milone; (C) S. A. Moceri. The unit bids are as follows:

	A	B	C
Clearing gulch line (lump sum)	$3000.00	$3,500.00	$1,000.00
Ditch—Creek channel change, per lin.ft.	.20	.50	1.25
Sand and gravel backfill on gulch lines, cu.yd.	2.50	2.00	4.00
Excavating below grade on 12 in. sewer, cu.yd.	2.00	2.00	2.00
Mattress on 12 in. line, M. ft. b. m.	35.00	50.00	40.00
Old wood flume to remove, lin.ft.	.60	.25	1.40
New wood flume, lin.ft.	5.00	2.50	7.00
Box drain to build, M ft. b.m.	50.00	50.00	80.00
8 in. pipe trench 2 ft. deep, lin.ft.	.25	.25	.70
3 ft. deep, lin.ft.	.30	.35	.80
4 ft. deep, lin.ft.	.37	.45	.85
5 ft. deep, lin.ft.	.45	.55	.90
6 ft. deep, lin.ft.	.50	.65	1.00
7 ft. deep, lin.ft.	.60	.75	1.10
8 ft. deep, lin.ft.	.75	.85	1.15
9 ft. deep, lin.ft.	.87	.95	1.20
10 ft. deep, lin.ft.	1.00	1.05	1.30
11 ft. deep, lin.ft.	1.10	1.15	1.35
12 ft. deep, lin.ft.	1.25	1.25	1.40
13 ft. deep, lin.ft.	1.30	1.50	1.50
14 ft. deep, lin.ft.	1.40	1.75	1.55
15 ft. deep, lin.ft.	1.45	2.25	1.65
16 ft. deep, lin.ft.	1.50	2.75	1.70
17 ft. deep, lin.ft.	1.60	3.25	1.75
18 ft. deep, lin.ft.	1.75	3.75	1.80
19 ft. deep, lin.ft.	1.85	4.25	1.90
20 ft. deep, lin.ft.	1.95	4.75	2.00
21 ft. deep, lin.ft.	2.10	5.25	2.05
24 ft. deep, lin.ft.	2.50	6.00	2.40
12 in. pipe trench 1 ft. deep, lin.ft.	.30	.30	1.00
2 ft. deep, lin.ft.	.35	.40	1.10
3 ft. deep, lin.ft.	.40	.50	1.20
4 ft. deep, lin.ft.	.60	.60	1.30
5 ft. deep, lin.ft.	.70	.75	1.50
8 in. pipe in place, lin.ft.	.48	.40	.36
12 in. pipe in place, lin.ft.	.80	.62	.64
8 in. x 6 in. wyes in place	1.40	1.42	1.25
6 in. ¼ bends	.80	.60	.72
6 in. pipe risers in place, lin.ft.	.35	.25	.25
6 in. plugs in place	.10	.06	.07
Manhole, rings and covers in place	20.00	20.00	16.00
Manholes 5 ft. deep	42.00	25.00	35.00
6 ft. deep	50.00	30.00	40.00
7 ft. deep	56.00	35.00	45.00
8 ft. deep	62.00	40.00	50.00
9 ft. deep	70.00	45.00	55.00
10 ft. deep	75.00	50.00	60.00
11 ft. deep	80.00	55.00	65.00
12 ft. deep	86.00	60.00	70.00
13 ft. deep	92.00	65.00	75.00
14 ft. deep	100.00	70.00	80.00
15 ft. deep	110.00	75.00	85.00
20 ft. deep	135.00	80.00	90.00
Totals	$46,736	$49,124	$54,496

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Bridge—Chicago, Ill.

Bids were opened by Cook County Highway Department, Aug. 22, for constructing Irving Park-Des Plaines Bridge, Section No. 1293 15-D, from (A) Ray Mann, Rockford; (B) Chernus Construction Co.; (C) Oltendorf Construction Co., Palatine. The unit bids are as follows:

	A	B	C
1,855.4 cu.yd. conc. (Class A)	$18.00	$21.10	$18.00
286,400 lb. reinf. teel	.05	.05	.05
4,409 lb. cast iron rockers	.09	.10	.10
3,709 lb. steel bearing plates	.09	.10	.10
18 cu.yd. brick hand rail	60.00	40.00	70.00
2 bridge name plates	20.00	25.00	50.00
150 sq.ft. bituminous felt	.20	.20	.30
2,400 cu.yd. approach gr. (borrow)	1.59	1.50	2.00
2,540 lb. structural steel exp's'n guard	.10	.10	.10
2,880 cu.yd. earth excav. and back fill	2.50	1.00	5.00
1,500 cu.yd. old masonry removed	5.00	5.00	8.00
1,760 sq.ft. std. 12-in. partition tile	.04	.15	.10
2,270 sq.ft. (10-in. D.) wire mesh reinf.	.75	.25	.20
280 cu.yd. broken stone	3.00	3.00	4.00
125 cu.yd. stone screenings	3.00	3.00	4.00
650 cu.yd. spandrel fill removal	1.50	2.50	2.50
Total	$72,174	$72,986	$85,212
Checks	4,550	4,600	4,500

Engineer's estimate—$91,736

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Road—Kentucky

Bids were opened by State Highway Department, Frankfort, Sept. 23, for grading and draining 4.564 mi. Greenup-Fullerton Rd., S. P. 106 C, Greenup Co., from (A) C. L. Lewis, 502 Greenup St., Covington; (B) Ashland Supply Co., Ashland; (C) Hunt-Forbes Construction Co., Ashland. The unit bids are as follows:

	A	B	C
40.65 acres clearing and grubbing	$20.00	$15.00	$10.00
20,292 cu.yd. excav. common	.30	.40	.36
15,656 cu.yd. excav., solid rock	.75	.85	.68
40,887 cu.yd. excav., common borrow	.30	.40	.36
453 cu.yd. excav. for structures	1.00	1.00	.90
10,000 cu.yd. remov. unclassified slides	.35	.35	.60
181,300 yd. sta. overhaul	.03	.03	.03
241 sta. final dressing	2.50	1.00	5.00
50 lin.ft. relaid pipe	1.00	.50	1.10
50 lin.ft. removing pipe	1.00	.50	1.25
238 lin.ft. 12 in. class A cor. met. pipe	1.75	1.60	2.00
50 lin.ft. 18 in. class A cor. met. pipe	2.25	2.25	2.35
30 lin.ft. 24 in. class A cor. met. pipe	3.00	3.25	4.25
354 lin.ft. 18 in. first class pipe	3.00	2.00	3.25
114 lin.ft. 24 in. first class pipe	4.00	2.75	4.00
523.95 cu.yd. conc., class A	17.00	16.00	19.00
41,715 lb. reinf. steel	.06	.06	.05
Totals	$54,550	$60,570	$60,614

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Gas Pipe—Long Beach, Calif.

Bids were opened by City for furnishing 171,660 ft. 1¼-24-in. gas pipe, from (A) Crane Co., 321 East 3rd St., Los Angeles, $55,993 (awarded contract); (B) Lally Co.; (C) Grinnell Co. of the Pacific; (D) American Wholesale Hardware Co., 1500 W. Anaham St., Long Beach, $67,592 (awarded contract); (E) Oil Well Supply Co.; (F) Pacific Pipe & Supply Co.; (G) N. O. Nelson Mfg. Co.; (H) Petroleum Equipment Co. The unit bids are as follows:

	A	B	C		D	E	F	G	H
	Per 100 Ft.	Per 100 Ft.	Per 100 Ft., Rail or Water Respectively		Per 100 Ft.	Sizes Vary as Noted	Per 100 Ft.	Sizes Vary as Noted	
15,000 ft. 1¼-in.	$9.80	$9.62	$19.84	$9.74	$9.62	3½ in. $29.81 ft.	$9.83	1¼ in. $9.80 ft.	$9.62
90,000 ft. 3 -in.	29.81	29.81	34.12	30.18	29.81	4½ in. 42.53 ft.	29.81	3½ in. 29.81 ft.	29.81
10,300 ft. 4 -in.	42.53	42.53	43.68	43.06	42.53	6½ in. 75.12 ft.	42.53	4½ in. 42.53 ft.	42.53
12,700 ft. 6 -in.	75.12	75.12	95.99	76.07	75.12	8½ in. 1.21 ft.	75.12	6½ in. 75.12 ft.	75.12
4,300 ft. 8 -in.	121.00	121.00	138.00	123.00	121.00	10¾ in. 1.53 ft.	121.00	8½ in. 1.21 ft.	121.00
13,200 ft. 10-in.	153.00	153.00	172.00	154.00	153.00	12¾ in. 1.99 ft.	153.00	10¾ in. 1.53 ft.	153.00
24,000 ft. 12-in.	199.00	199.00	225.00	202.00	199.00	20 in. 3.51 ft.	199.00	12¾ in. 1.99 ft.	199.00
1,800 ft. 20-in.	251.00	.....	.....	.....	.....	24 in. 5.32 ft.	.....	20 ft. 2.51 ft.	.....
360 ft. 24-in.	532.00	.....	.....	.....	.....	.....	.....	24 in. 5.32 ft.	.....

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